

SHANY

THE ELITE OF CCTV

2012 March

IP & NVR

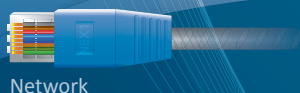
3.0/1.3M WDR IP Camera
2.0/1.0 M IP Camera.
1.3M CCD License Plate IP Camera
1.3M WDR IP Speed Dome
PC Base NVR + CMS
PC Base Free Bundle NVR

HDcctv (SDI) Camera

1080P@60fps 3G-SDI Camera
1080P@30fps HD-SDI Camera
720P@30fps HD-SDI Camera
SDI Receiver, Repeater
One Cable System

ANALOG CAMERA

Effio-P WDR camera
36X WDR Speed Dome
License Plate Camera



Network



HDcctv (SDI)



Analog CCTV



We Care Your Security

Shany Electronic Co., LTD.

Shany Electronic Corp., founded in 1994, is now a well-known CCTV manufacturer in Taiwan. We've been devoted to designing and manufacturing best quality CCTV products for more than 19 years. ISO 9001 certified by TUV, Shany Electronic Corp., is committed to conduct business with the highest level of quality, service and efficiency.

With design awards in OEMs and ODMs, we have received a widespread product acceptance from distributors, retailers and system integrators. And with such abundant experiences, we'd like to have our brand Shany Electronic Corp., to be recognized. Efficiency, Innovation, Quality, Flexibility are our principles. Customer-oriented is our policy. Shany Electronic Corp. introduces innovative technologies, products and solutions to the world continuously, making our lives safer and securer day after day.



Award - 1

We are the number 1 in Secutech Expo 2011

SHANY, participating in 2011 SecuTech Expo - IP Camera and HD-SDI camera contest, won First Prize in HD-SDI field with our leading-industry 3G-SDI 1080P megapixels camera. Meanwhile, SHANY IP camera series also receives good evaluation, which can get real-time digital Video/Audio transmission without quality losing and latency. Among the competitors, our products are highly recommended by critics and achieve the highest glory.



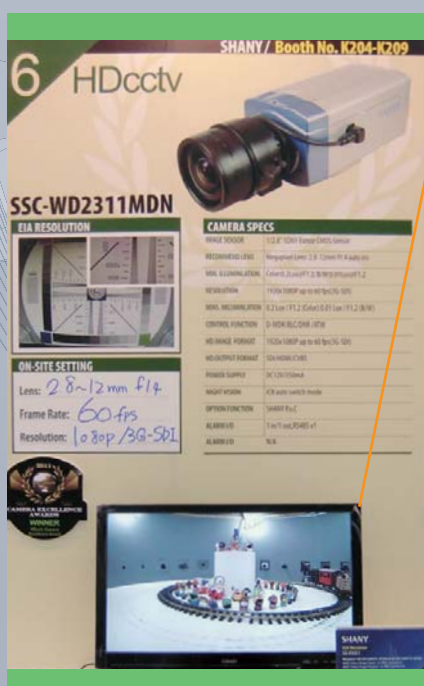
SecuTech Award HDcctv 2011 First Prize: SSC-WD2311MDN

- World-leading 3G-SDI 1080P@60fps camera
- World-leading SDI&HDMI simultaneous 1080P output Camera
- World-leading "One Cable Transmission Technology" SDI solution (Video/2-way Audio/Power/Control)
- Secutech Award BIG Winner

SecuTech Award IP CAM2011 High-Quality: SNC-WD2312MDN

- Sony 1/2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- Low Lux, Color:0.2Lux@F1.2, B/W:0.01Lux@F1.2
- Compression:H.264, MPEG-4, M-JPEG (Triple-code Encoder)
- Highest Resolution:2048x1536@20fps, H.264/Highprofile
- Support Both ONVIF and PSIA

If you want more information about 3G-SDI (1080P) HDCCTV Box Camera, welcom to mail us info@shany.com. We are delightful to give you more detail.



SSC-WD2311MDN



High Quality Video



Awarding Ceremony

Award - 2



SHANY, certificated by CPS, the 2011 most influential top ten brands in high-resolution network camera category!

With great honor, SHANY has won the 2011 most influential top ten brands of the CPS certificate in high-resolution network camera category.

Our products are developed with professional R&D team and provided with competitive price. We get this certificate to its name and are the best choice you can find when it comes to network surveillance cameras.

If you want to learn more about our network surveillance cameras, please email info@shany.com, we will be pleased to serve you.



Award Certificate 2011

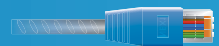


Aawarding Ceremony in China, 2011

Advanced Network Solution STRUCTURE

ON TOP





SHANY PC Base NVR & CMS

NVR / CMS

Professional Version
Enterprise Plus Version NVR
 Windows OS: XP Pro, Win7 Pro,
 Server2003&2008
 Support 64bit OS: Win7 Pro,
 Server2003&2008

Central Management System (NCS)

Authentic client-server
 architecture



Professional Version
 SNR-PC36PRO

A02



Enterprise Plus Version
 SNR-EP6401

A03~A04



Central Management System (NCS)
 SNR-CMS1000-CENTER

A05~A06

Megapixel IP Camera / H.264

3.0 Megapixel (WDR)

Sony 1/2.8" 3.0M Progressive
 Exmor™ CMOS Sensor
 Resolution: 2048(H)x1536(V) (QXGA)
 H.264, MPEG4, M-JPEG
 2D Noise Reduction & Sense Up



SNC-WD2312DN
SNC-WD2312MDN
 3.0 Megapixel, 0.1Lux

A07



SNC-WD2322DN
 3.0 Megapixel, 0.1Lux
 f3.0~10mm/F1.3

A08



SNC-WD2332DN
 3.0 Megapixel, 0.1Lux
 f3.0~10mm/F1.3

A09



SNC-WDL2322DN
 3.0 Megapixel, 0 Lux
 f3.0~10mm/F1.3

A10



SNC-WDL2332DN
 3.0 Megapixel, 0 Lux
 f3.0~10mm/F1.3

A11

2.0 Megapixel

1/2.7" 2.0M Progressive CMOS Sensor
 1920(H)x1080(V) (1080P)
 H.264, MPEG4, M-JPEG
 Shutter Mode (Auto/Manual)
 Sense Up
 Motion Detection
 Alarm Trigger



SNC-2212DN
 2.0 Megapixel, 0.2Lux
 f3.0~10mm/F1.3

A12



SNC-2252DN
 2.0 Megapixel, 0.2Lux
 f3.0~10mm/F1.3

A13



SNC-2222DN
 2.0 Megapixel, 0.2Lux
 f3.0~10mm/F1.3

A14



SNC-2232DN
 2.0 Megapixel, 0.2Lux
 f3.0~10mm/F1.3

A15



SNC-L2222DN
 2.0 Megapixel, 0 Lux
 f3.0~10mm/F1.3

A16



SNC-L2232DN
 2.0 Megapixel, 0 Lux
 f3.0~10mm/F1.3

A17

1.3 Megapixel (WDR)

Sony 1/3" 1.3M Progressive Exmor™
 CMOS Sensor
 1280(H)x1024(V) (SXGA)
 H.264, MPEG4, M-JPEG
 2D Noise Reduction &
 Sense Up



SNC-WD2112DN
SNC-WD2112MDN
 1.3 Megapixel, 0.1Lux

A18



SNC-WD2122DN
 1.3 Megapixel, 0.1Lux
 f2.8~10mm/F1.2

A19



SNC-WD2132DN
 1.3 Megapixel, 0.1Lux
 f2.8~10mm/F1.2

A20



SNC-WDL2122DN
 1.3 Megapixel, 0 Lux
 f2.8~10mm/F1.2

A21



SNC-WDL2132DN
 1.3 Megapixel, 0 Lux
 f2.8~10mm/F1.2

A22



SNC-WDL2142DN
 1.3 Megapixel, 0 Lux
 f3.8~9.5mm/F1.2

A23

1.0 Megapixel

1/4" 1.0M Progressive CMOS Sensor
 1280(H)x720(V) (720P)
 H.264, MPEG4, M-JPEG



SNC-2110MDN
 1.0 Megapixel, 0.2Lux

A26



SNC-2120DNV
 1.0 Megapixel, 0.2Lux
 f2.8~10mm/F1.2

A27



SNC-2130DNV
 1.0 Megapixel, 0.2Lux
 f2.8~10mm/F1.2

A28



SNC-2140DNV
 1.0 Megapixel, 0 Lux
 f6.0mm/F1.8

A29



SNC-2140DN
 1.0 Megapixel, 0 Lux
 f6.0mm/F1.8

A30

Speed Dome Camera

Full D1/1.3M

Auto Focus & Auto IRIS Zoom Lens
 Powerful 128x WDR
 Fog Reduction
 Digital Image Stabilizer (DIS)



SNC-WD91R36DN, WD-82IR36DN
SNC-WD81R36DN, WD81IR36DNC
 Full D1, 0.1Lux, **36X**

A31



SNC-HD91R22DN, HD-82IR22DN
SNC-HD81R22DNC, HD81IR22DNC
 1.3 Megapixel, 0.1Lux, **22X**

A24



SNC-HD91R12DN, HD-82IR12DN
SNC-HD81R12DNC, HD81IR12DNC
 1.3 Megapixel, 0.1Lux, **12X**

A25

Accessories

Accessories

Camera Controller
 Lens
 Power Supply



MCU-PTZ071(3D)
 Camera Controller

A32



Lens
 Megapixel

A32



Power Supply

A32



HDMI Cable
 HDMI-030RG/MM

A32



3G-SDI (1080P) HDcctv Camera

3G-SDI (1080P)

Full HD 1920x1080P@50/60fps
1/2.8" Sony 3.0 Megapixel
Progressive Exmor™ CMOS Sensor
Simultaneous Video Output:
SDI / Composite BNC
Multi-Language OSD Control



SSC-WD2311MDN
1920x1080P@50/60fps

B03



SSC-WD2316MDN
1920x1080P@50/60fps

B04



SSC-WD2321MDN
1920x1080P@50/60fps
f3.0~10mm/F1.3

B05



SNC-WD2331MDN
1920x1080P@50/60fps
f3.0~10mm/F1.3

B06



SSC-WDL2321DN
1920x1080P@50/60fps
f3.0~10mm/F1.3

B07



SSC-WDL2331DN
1920x1080P@50/60fps
f3.0~10mm/F1.3

B08



SSC-WD2315MDN
1920x1080P@25/30fps
HD-SDI (1080P)

B09

HD-SDI (720P) HDcctv Camera

HD-SDI (720P)

HD 1280x720P@25/30fps
1/3" Panasonic 1.3 Megapixel
Progressive CMOS Sensor
Video Output: SDI
Multi-Language OSD Control



SSC-WD2114MDN
1280x720P@25/30fps

B10



SSC-WD2121DN
SSC-WD2121MDN
1280x720P@50/60fps
f3.0~10mm/F1.3

B11



SNC-WD2131DN
SSC-WD2131MDN
1280x720P@50/60fps
f3.0~10mm/F1.3

B12



SSC-WDL2121DN
1280x720P@50/60fps
f3.0~10mm/F1.3

B13



SSC-WDL2131DN
1280x720P@50/60fps
f3.0~10mm/F1.3

B14



SSC-WDL2141DN
1280x720P@50/60fps
f3.8~9.5mm/F1.2

B15

HD-SDI (720P) HDcctv SpeedDome Camera

HD-SDI (720P)

HD 1280x720P@30fps
1/3" 1.3 Megapixel CMOS Sensor
Optical 22x, Digital 16x, Total 352x
Optical 12x, Digital 16x, Total 192x



SSC-HS91IR22DN, HS-82IR22DN
SSC-HS81IR22DNS, HS81IR22DNC
1280x720P@30fps, 22x

B16



SSC-HS91IR12DN, HS-82IR12DN
SSC-HS81IR12DNS, HS81IR12DNC
1280x720P@30fps, 12x

B17

3G-SDI Receiver

3G-SDI Receiver

SDI Standards 3G-SDI (SMPTE 424M)
HD-SDI(SMPTE 292M) with IP Function
Real-time High Quality Digital Video
Transmission ; OSD Control
Support 3G-SDI (SMPTE 424M)
HD-SDI (SMPTE 292M)



SSD-RX010, SSD-RX010N
3G-SDI Receiver

B18



SSD-RX011, SSD-RX011N
3G-SDI Receiver

B19

SDI DVR

3G-SDI DVR

HD-CCTV Megapixel Video Inputs and
Analog Video Inputs
H.264 Compression format
Multiple Control Inputs: mouse/
front panel/ IR remote control/keyboard



SSR-ST1004A04
4ch HDcctv + 4ch Analog
Hybrid HD-DVR

B20

Accessories

Accessories

Repeater, Splitter
Camera Controller
Lens
Power Supply



Repeater
SSD-RP101

B21



Splitter
SSD-SP104

B21



MCU-PTZ071
Camera Controller

B22



Lens
Megapixel

B22



Power Supply

B22



HDMI Cable
HDMI-030RG/MM

B22



SpeedDome Camera / Controller

610 TVL

1/4" Sony CCD Sensor
610TVL
Color: 0.1Lux@F1.6
B/W: 0.05Lux@F1.6
Optical 36x, Digital 16x, Total 576x
Lux(color)



MTC-WD91IR36DN
610TVL, 0.1 Lux

C02



MZC-WD81IR36DNS
610TVL, 0.1 Lux

C02



MZC-WD82IR36DN
610TVL, 0.1 Lux

C02



MZC-WD81IR36DNC
610TVL, 0.1 Lux

C02



MTC-WD1036H
36x, 0.1 Lux

C03



MCU-PTZ071 (USB)
Camera Controller

C04



MCU-PTZ091 (3D)
Camera Controller

C04

Hyper Wide Dynamic Camera (Sony Effio)

EFFIO WDR III

CCD Pixel:
PAL:1024(H)x596(V)
NTSC:1028(H)x508(V)
Color:680TVL, B/W:700TVL
Color:610TVL, B/W:630TVL
Powerful **1024x WDR (60dB)**
Powerful **510x WDR (54dB)**
Multi-Language OSD Control



MTC-WD116EF
MTC-WD116MEF
680TVL, 0.03 Lux

D02



MTC-WD115EF
MTC-WD115MEF
610TVL, 0.03 Lux

D03



MTC-WD216EF
MTC-WD216MEF
680TVL, 0.03 Lux

D04



MTC-WD215EF
MTC-WD215MEF
610TVL, 0.03 Lux

D05



MTC-WD516EF
MTC-WD516MEF
680TVL, 0.03 Lux

D06



MTC-WD515EF
MTC-WD515MEF
610TVL, 0.03 Lux
f2.8~10.5mm/F1.2

D07



MTC-WDL216EF
MTC-WD213MEF
680TVL, 0 Lux
f2.8~10mm/F1.2

D08



MTC-WDL215EF
MTC-WD213MEF
610TVL, 0 Lux
f2.8~10mm/F1.2

D08



MTC-WDL516EF
MTC-WD213MEF
680TVL, 0 Lux
f2.8~10mm/F1.2

D09



MTC-WDL515EF
MTC-WD213MEF
610TVL, 0 Lux
f2.8~10mm/F1.2

D09



MTC-WDL716EF
680TVL, 0 Lux
f3.8~9.5mm/F1.2

D10



MTC-WD113EF
MTC-WD113MEF
680TVL, 0.03 Lux

D11



MTC-WD213EF
MTC-WD213MEF
680TVL, 0.03 Lux
f2.8~10.5mm/F1.2

D12



MTC-WDL213EF
680TVL, 0 Lux
f2.8~10mm/F1.2

D13



MTC-WDL513EF
680TVL, 0 Lux
f2.8~10mm/F1.2

D14

EFFIO WDR II

CCD Pixel:
PAL:1020(H)x596(V)
NTSC:1020(H)x508(V)
Color:680TVL, B/W:700TVL
Powerful **512x WDR (54dB)**
Multi-Language OSD Control

Digital WD Camera (Sony Effio-E)

680 TVL / 610TVL

680 TVL
CCD Pixel:
PAL:1024(H)x596(V)
NTSC:1028(H)x508(V)
Color:680TVL, B/W:700TVL
Multi-Language OSD Control
Powerful 128X D-WDR

610 TVL
CCD Pixel:
PAL:795(H)x596(V)
NTSC:811(H)x508(V)
Color:680TVL, B/W:700TVL
Multi-Language OSD Control
Powerful 128X D-WDR



MTC-113EF
680TVL, 0.03 Lux

E02



MTC-113MEF
680TVL, 0.03 Lux

E02



MTC-413EF
680TVL, 0.03 Lux
f2.8~10mm/F1.2

E03



MTC-213EF
680TVL, 0.03 Lux
f2.8~10.5mm/F1.2

E04



MTC-808DEF
610TVL, 0.1 Lux
f3.6mm/F2.0

E05



MTC-513EF
680TVL, 0.03 Lux
f2.8~10.5mm/F1.2

E06



MTC-L413EF
680TVL, 0 Lux
f2.8~10mm/F1.2

E07



MTC-L213EF
680TVL, 0 Lux
f2.8~10mm/F1.2

E08



MTC-L513EF
680TVL, 0 Lux
f2.8~10mm/F1.2

E08



MTC-L713EF
680TVL, 0 Lux
f3.8~9.5mm/F1.2

E09



MTC-L613EF
680TVL, 0 Lux
f2.8~10.5mm/F1.2

E10



MTC-L632EF
680TVL, 0 Lux
f4.3mm/F2.0

E11



Car License Camera (LPR)

680 TVL

CCD Pixel:
PAL:1020(H)x596(V)
NTSC:1020(H)x508(V)
Color:680TVL, B/W:700TVL
Powerful **512x WDR (54dB)**
Powerful **510x WDR (54dB)**



MTC-WD113EF-C
680TVL, 0.03 Lux

F02



MTC-WD113MEF-C
680TVL, 0.03Lux

F02



MTC-WDL713EF-C
680TVL, 0 Lux
f3.8~9.5mm/F1.2

F03

Accessories

Bracket Series

Bracket
Housing



Wall Mount
MTB-201

G02



Wall Mount
MTB-413

G02



Ceiling Mount
MTB-504

G02



Housing
MTH-6000-IR80

G02



Housing
MTH-6000-IR120

G02

Lens Series

IR DN Lens



Lens
SHV-IR2812DAI

G03



Lens
SHV-IR3085DAI

G03



Lens
SHV-IR7550DAI

G03

Power Supply



Power Supply
ADA-12150

G04



Power Supply
ADA-12151

G04



Power Supply
ADA-12152

G04

SHANY

THE ELITE OF CCTV

IP VIDEO SURVEILLANCE SOLUTION



PC Base NVR & CMS
3.0 Megapixel IP Camera
2.0 Megapixel IP Camera
1.3 Megapixel IP Camera
1.0 Megapixel IP Camera
Full D1 SpeedDome IP Camera
Accessoires

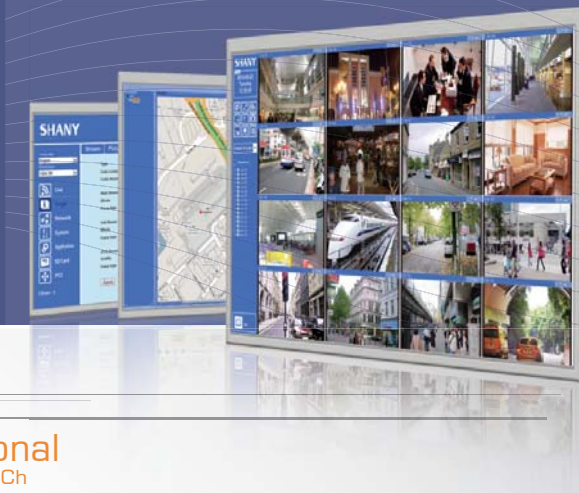
A02~A06
A07~A11
A12~A17
A18~A25
A26~A30
A31~A31
A32~A32

ONVIF

A-01

SHANY NVR Professional SNR-PC36PRO

- Windows OS: XP Pro, Win7 Pro, Server 2003&2008
- Support 64bit OS: Win7 Pro, Server 2003&2008
- Dual Stream (Live view & Recording in Different Streaming)
- Support 1.0/1.3/2.0/3.0 Megapixel IP Cameras, Speed Dome Camera
- Division: 1, 4, 9, 16, 25, 36
- Support 2 or 3 Monitor Display Video Output
- Multilayer e-Map, Channel event log, e-PTZ Control Panel
- Language:English, Japanese, Chinese (Traditional & Simplified)



Features

A
IP Camera

Product Name		Professional Free Bundle 36Ch SNR-PC36PRO,
Feature Overview		
Feature Scope		Free Bundle 36ch
H.264, MPEG4, MJPEG		Yes
Dual Stream		Yes
ePTZ control		Yes
Schedules		Yes
Pre-recording		NA
Post-recording		1~180 sec. / Up to 4 ch
Export Recording File Format		AVI
eMap		Unlimited
Monitor-Live View, Map View		Yes
Motion detection		Yes
IE Browser Client (IE Plus Java)		Support
User Management		Up to 99 User
Alert Notification		Event Logs, Buzzer
Event (Alarm, Event, Alert...) Report		Yes
Event Export		Yes
Support Channels		36 ch
Multi-View		Yes / 2 Monitor Output
Check HDD Space & Record-time		Yes
Support OS		
Windows XP Professional (32bit)		Yes
Windows 7 Professional (32bit, 64bit)		Yes
Windows Server 2003/2008 (32bit, 64bit)		Yes
Device/Camera Setup		
Camera Device Search		Yes
Playback & Search		
Date/Time Search		Yes
Multi-Channel Playback		4 ch
Speed control		1、2、4、8、16、1/2、1/4、1/8、1/16、 Frame by Frame
Rewind Recording File		Yes
Playback / snapshot		Yes
Language		
English		Yes
Chinese(Traditional)		Yes
Chinese(Simplified)		Yes
Japanese		Yes
Proposed Platform		
CPU		Intel Core i3 or Above
RAM		4GB or Above
VGA		ATI HD4500 Series or Above
		XP Pro, Win7 Pro or Above

*Specifications are unfixed and do not apply to customized projects. 120301

SHANY Enterprise Plus Version Tribrid NVR SNR-EP6401



Features

Support 50+ Brands of IP Cameras and 1000+ Models

Support SHANY, SONY, SANYO, AXIS, Bosch, Pelco, Panasonic, Vivotek 50+ brands IP cameras, and 1000+ models

Support 720P/1080P HD-SDI Cameras

Support HD-SDI Standard (SMPTE 292M), 720@25/30fps, 1080P@25/30fps

Support D1/1.0/1.3/2.0/3.0/5.0/8.0 & Fisheyes HD IP Camera Input

Support resolution: 320x240/640x480/800x600/1024x768/1280x720/1280x960/1280x1024/1600x1200/1920x1080/2048x1536/ 2560x1920..... (Depends on IP camera)

Support 27 Languages User Interface

Support 27 Languages: English/German/Japanese/Portuguese/Spanish/Chinese (Traditional)/Chinese (Simplified).....

Support 64 Channels Camera Input

Multi-site/Multi-server:

Each NVR server supports up to 64* channels, from IP cameras and video encoders with analog cameras,

Playback, Search, Export and Secure Data

Post-Recording Processing

Search for 5 types of different analytics events, digital PTZ and video enhancement tool are all available in playback.

Multi-Channel Playback

Play up to 16 channels of recorded video simultaneously both locally and remotely.

Forward playback at 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, 32x, 64x.

Video Enhancement

Fine tune the image's visibility, sharpen, brightness, contrast or even grey scale.

Intelligent Search

Search for 5 different special events (general motion, missing object, foreign object, camera occlusion and signal lost) in recorded files with date, time and log file.

Video Export

Take a snapshot of the recording in JPEG/BMP format or export a section of the video in "AVI" and "ASF" format.

Auto and Manual Backup

Schedule or manual backup the recording for archiving purposes or backup the recording with an embedded player to watch at a separate location.

NVR supports both local and remote backup to local HDD, CD, and DVD.

Watermark

Protect for original recording from alternation with our watermark verification tool.

Support Multiple Recording Type

Continuous record, record by digital input, motion record, event recording, boosting recording, record by schedule, manual record

Camera Events

General Motion (Multiple sensitivity) / Edge Motion / Missing Object / Foreign Object / Focus Lost

Camera Occlusion / Signal Lost

Support 10 Instant Alarm Notification Responses

On Screen Display / Play Sound / Send E-mail / Phone Call / PTZ Preset Go / Signal Digital Output / Send a SMS

Message / Send to Central Server / Send Snapshot to FTP / Popup E-Map on Event

*Specifications are unfixed and do not apply to customized projects. 120301

SHANY Enterprise Plus Version Tribrid NVR SNR-EP6401

- Support 50+ brands of IP cameras and 1000+ models
- Support up to 64 channels (by channel Optional)
- Support 1.0/1.3/2.0/3.0/5.0MP High Definition IP cameras
- Support H.264/MPEG4/M-JPEG video formats
- Support 27 languages
- Support 2 or 3 Monitor Display Video Output
- Multilayer e-Map, Channel event log, e-PTZ Control Panel
- Support Windows mobile , iPhone, iPad , Android
- Support simultaneous playback / Intelligent playback system



Features

A	IP Camera	Product name	SNR-EP6401
		Specifications	
		IP Camera Inputs	Support to 64 channel IP Cameras (by channel Optional)
		Compression Format	H.264 / MPEG-4 / M-JPEG (depends on IP Camera)
		Resolution	Support D1/1.3/2.0/3.0/5.0/8.0 & fisheyes Megapixel IP Cameras
		Screen Division	1/4/6/9/10/13/16/25/36/49/64 divided screen
		Screen Resolution	1024x768 to 1920x1080(16:9 or 4:3)
		Digital PTZ	Supported in Live view and Playback
		Multiple Show	Supported in Live view
		Triple Monitor	Enable maximum 64 channels with two screens to show live video and viewer recording video on third monitor(Depend on Graphic card)
		Audio & Video Recording	Synchronized audio & video recording
		Recording Type	Continuous record, record by digital input, motion record, event recording, boosting recording, record by schedule, manual record
		Playback Channels	Support max. 16 channels simultaneous playback
		Playback Control	Playback, backward playback, fast forward/backward playback
		Available I/O Function	Supporting I/O Box (by channel Optional)
		Available POS Device	RS232 to Ethernet Converter (by channel Optional)
System Requirements			
		OS Supported	XP & Win7 Professional or above ; Starter / Home / Home Premium (Included 64 bit) are not supported
			Win 7 Professional or Win Server 2008 R2
		CPU	Intel Core i3 / i5 / i7 or Higher (Recommend Sandy bridge i5 or i7 CPU)
		RAM	2 GB or Higher
		HDD	500 GB or above
		Motherboard	Intel P45,P55, H55 ,PH67 , H67 , X58 , Z68 chipset or above
		Display	AMD (ATI) HD 5450 or above
Language			
		Support Language	Bulgarian, Chinese (Simplified), Chinese (Traditional) , Czech, Danish, English,Farsi, Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Norway, Polish, Portuguese (Brazil), Portuguese (Portugal), Romanian, Russian, Serbian, Slovak, Spanish, Swedish, Thai, Turkish
IP Camera Brand Supported			
		Brand	ACTi, Arecont, ARM, Atlantis, Axis, Basler,Bosch, Brickcom, Camtron, Cisco, CNB, CryptoTelecom, Dallmeier, DiGiMERGE, D-Link, DYNACOLOR, Eneo, ETROVISION, EverFocus, Eyeview, Fine, HIKVision, Hitron, Honeywell, iCANTEK, IQinVision, JVC, LevelOne, LILIN, Linksys, LOREX, Lumenera, MOBOTIX, Moxa, NetworkCamera, Onvif, Panasonic, Pelco, Pixord, Planet, SAE, Samsung, Santec Sanyo, Seorim, Sony, SHANY, StarDot, Toshiba, Truen, Videosec, Vivotek, Y-cam, Zavio

*Specifications are unfixed and do not apply to customized projects. 120301

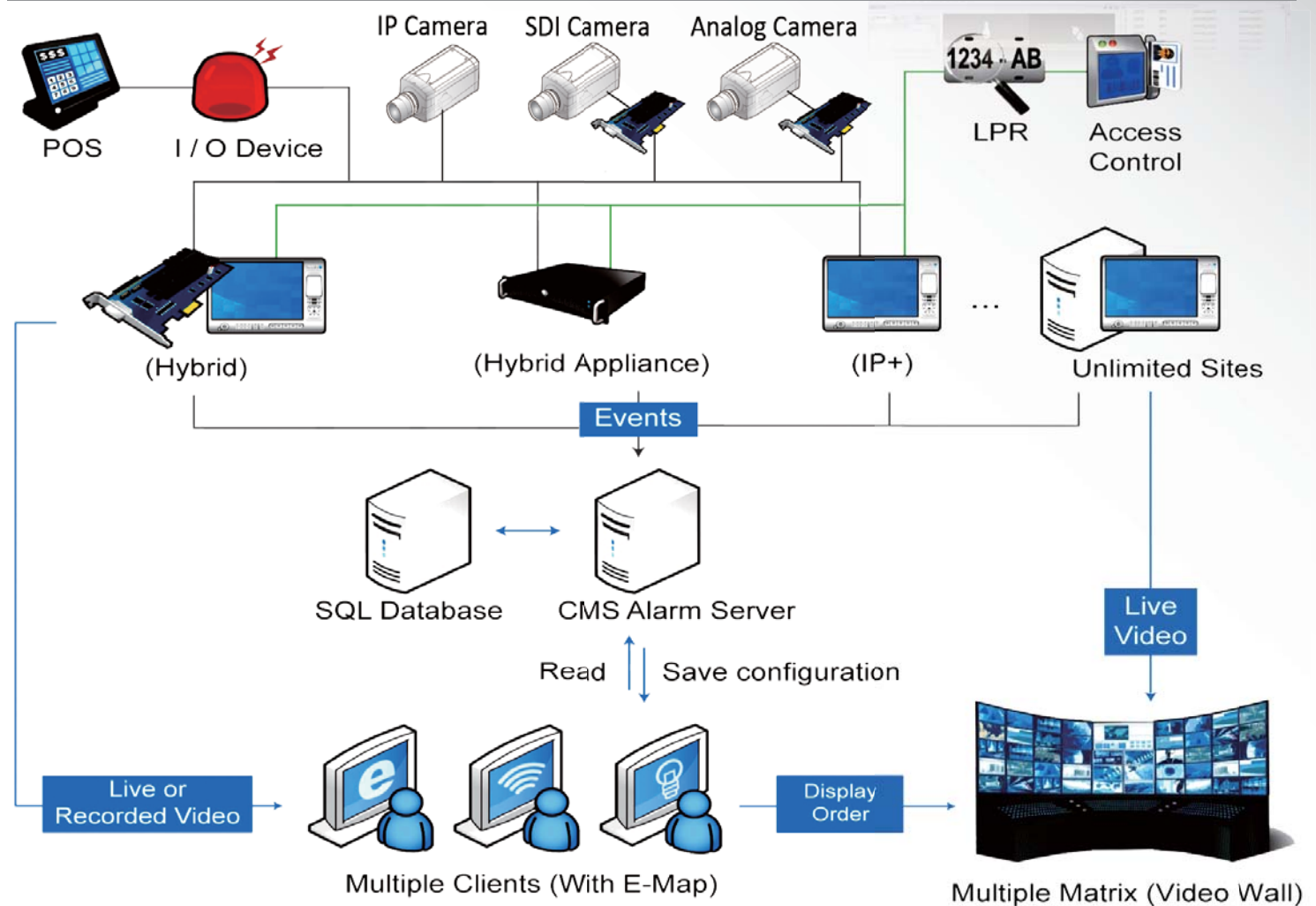
SHANY Central Management System (CMS) SNR-CMS1000-CENTER

The Shany Central Management System (CMS) is a powerful system designed for large-scale and high level enterprise projects. CMS can manage all Shany product lines including NDVR Hybrid, NVR, DVR. Shany CMS supports unlimited numbers of cameras, I/O devices, POS, LPR, access control, servers and users. The controls and operation of Shany CMS is clear cut and map centric. It has the most powerful alarm management system among all Shany product lines and can control unlimited matrices or viewing consoles in the centralized control room. CMS Matrix offers a video wall for users to get video and manage alarm efficiently and instantly.

This seamless management of digital video, audio and data is a powerful solution for large scale installations



System Architecture



Support Language

Chinese (Simplified)	Chinese (Traditional)	Danish	English	Farsi	Finnish
French	Hebrew	Hungarian	Italian	Japanese	Korean
Portuguese (Brazil)	Portuguese (Portugal)	Russian	Serbian	Spanish	Thai

*Specifications are unfixed and do not apply to customized projects. 120301

SHANY Central Management System (CMS) SNR-CMS1000-CENTER

- Authentic client-server architecture
- Centralized management
- Video matrix wall
- Advanced instant alarm management
- Supports unlimited cameras, I/O devices, POS, LPR and access control
- Supports multiple layers of E-map
- Instant live view and playback
- User privilege and user group
- Supports two-way audio
- Backup alarm recording in clients
- Matrix view profile (Device groups)
- View tour, camera tour and grid tour
- Advanced GUI alarm
- Windows Active Directory
- Alarm status, data mining and reporting function
- Instant playback
- Remote backup
- Embedded remote control
- PTZ control and keyboard control

This seamless management of digital video, audio and data is a powerful solution for large scale installations



Features

	Product Name	SNR-CMS1000-CENTER
Key features		
	Client Server Architecture	One CMS server could be connected by several CMS clients
	Supported Devices	Support all Shany based site, as well as all I/O devices, POS, LPR and access control systems and IP camera brands supported by
	Unlimited Server Solution	Unlimited access of cameras and DVR/NVR/NVRmini sites
	Multiple Matrix System	Unlimited matrix consoles connectable through network
	Live Viewing	Up to 64 concurrent camera viewing for each matrix console
	Full Alarm Management	Acknowledge or manage alarm log in the most efficient way
Triple Monitor Scenario		
	Default Monitor #1	Navigation Panel / Map Section
	Default Monitor #2	Live Matrix System
	Default Monitor #3	Alarm List / Message List / Remote Playback
CMS Server		
	Alarm Database	SQL Server 2005 Express as database to store all alarms
	Central Server	Store the site map data by hierarchical structures, Directly connect to surveillance server to get alarm notifications
		Provide TCP service for CMS client access through network, Registers different time zones into UTC format
	Supported Notification	Send E-mail / SMS message
E-Map		
	Map Tree Hierarchy	Unlimited level of display site map
	Maps Formats	Supported image format: BMP, GIF, JPEG, PNG, and TIFF
	Define Surveillance Servers	New / Edit / Delete / Disable and Enable
	Define Cameras	New / Edit / Delete / Disable and Enable
	Navigation Tools	Use to use zoom in, zoom out and drag operation
	Indicators on Maps	Indicators for maps, servers, cameras, I/O devices , POS, LPR and access control systems, Indicator icons, support image format with alpha channel (TIFF), Display camera coverage, Easy to find device on Map and Matrix View
	Instant Status Notification	shows corresponding icon nearby device icons to automatically notify users of the events
	Intuitive Operation on Maps	Open Last Alarm, Open Live Video Window, Open Instant Playback Window, Backup Recorded Video
		View Server Status Report, Search , POS, LPR and access control systems transaction data
	Live Popup Window	Live popup window to use audio/talk functions and show live video with PTZ control panel
	Playback Popup Window	Remote playback popup window to replay recorded video and audio, Export to AVI/ASF file and snapshot with digital watermark
Alarm Management		
	Supported Alarm Type	Video Signal Abnormal, Digital Input Trigger (Normal / Emergency), 3rd Party Transaction Alarm Trigger, Network Abnormal, DVR / NVR Abnormal, Motion / Missing / Foreign / Focus / Blocked Low Disk Space CPU temperature High / Fan Speed Low
	Action when Alarm	Instant notifications on map and event list Go to specific map layer Play sounds Automatically show live video on popup window Automatically show live video on live matrix system Send SMS Send Email
	Alarm Viewing	Filter tools to survey existing alarm history
	Alarm Detail Popup	Show / Print a specific alarm with image preview
	Advanced Alarm Search	Access required alarm logs in the most efficient way
Matrix System		
	Live Viewing	Up to 64 concurrent camera viewing
	Grid Type	Standard: 1, 4, 9, 12+1, 16, 25, 36, 49, 64 , Wide Screen: 1+3, 2+4, 3+8, 12, 48
	Video Tour	Flexible auto scan mechanism and full screen viewing , View tour, Camera tour, Grid tour, Alarm tour in simple and salvo mode
	Automatically Popup	Show the live video associated with alarms
	PTZ Panel	Floating PTZ panel to manipulate cameras on the matrix system
	Keyboard and Joystick Support	Control PTZ camera by Keyboard and Joystick via CMS Client
Remote Playback System		
	Remote Playback	Up to 16 concurrent camera viewing
	Grid Type	1, 4, 9, 16
	Export Function	Save as image and video, as well as printing
	Smart Search	Fast search based on the specific event Include General motion, Missing object, Foreign object, Lose focus and Camera occlusion
Miscellaneous		
	UserGroup Authority	Alarm Management, View Alarm Image, View Live Video, View Recorded Video, PTZ Control with User Privilege Hierarchy Control
		Digital Output, Remote Desktop, View and Search , POS, LPR and Access Control Systems Transaction, Audio / Talk, Access Devices
	User Authority	User/Password, Phone Number, Email / Phone number, UserGroup , Coverage, Matrix View Groups
	Built-in Remote Desktop	CMS is capable of controlling Shany servers through the remote desktop protocol.

*Specifications are unfixed and do not apply to customized projects. 120301

3.0 Megapixel WDR IP Box Camera

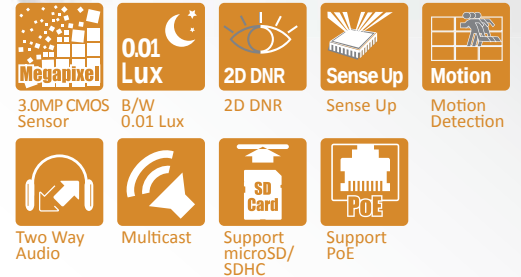
SNC-WD2312DN, SNC-WD2312MDN

- Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- 2048(H)x1536(V) (QXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

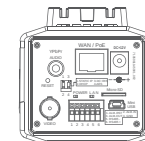
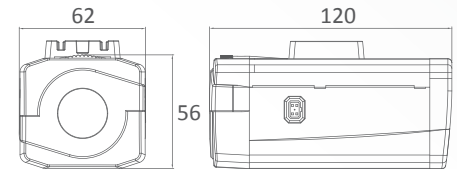


Features

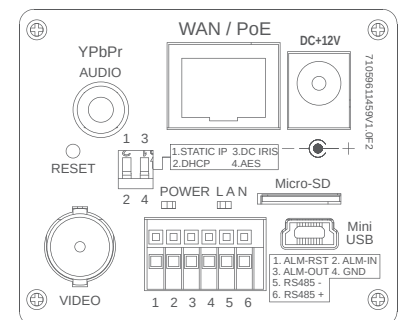
	SNC-WD2312DN	SNC-WD2312MDN
Video	Image Sensor	Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	2048(H)x1536(V) (QXGA)
	Video Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	2048x1536@20fps, Others Up to 30fps
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC) or YPbPr
	Signal to Noise Ratio	More than 58dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux) ; External Compatible with Infrared Illuminator
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	YPbPr/Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot, Mini USB Slot
	Automatic IRIS ; Connector	DC ; D4 IRIS Jack
	Lens Mount	CS / C mount (With Adaptor Ring)
	Lens, Angle of View (H)	Please See the Page of Lens Series
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	62(W)x56(H)x120(L)mm
	Net Weight	350g
	Accessories Option	Lens:SHV-3M2812DAI ; Bracket:MTB-101, MTB-102



Dimensions



12Vdc / PoE



UNIT : mm / TOL : ±0.5

3.0 Megapixel WDR IP Dome Camera (Indoor) SNC-WD2322DN

- Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- 2048(H)x1536(V) (QXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

Wide
Dynamic



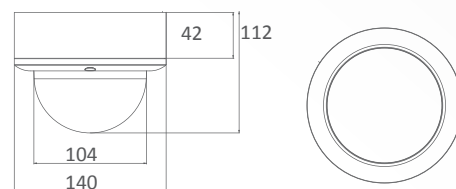
Features

Video	Image Sensor	Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	2048(H)x1536(V) (QXGA)
	Video Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	2048x1536@20fps, Others Up to 30fps
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 58dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal Lens/95.6°~28.8°
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	500g
	Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504

Indoor, Plastic
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



UNIT : mm / TOL : ±0.5

ONVIF

*Specifications are unfixed and do not apply to customized projects. 120301

3.0 Megapixel WDR IP Vandalproof Camera (Outdoor) SNC-WD2332DN

- Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- 2048(H)x1536(V) (QXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

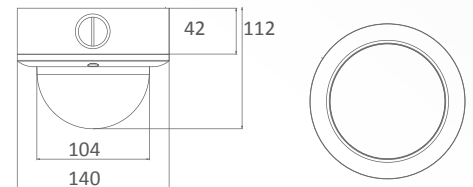


Features

Video	Image Sensor	Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	2048(H)x1536(V) (QXGA)
	Video Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	2048x1536@20fps, Others Up to 30fps
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 58dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal Lens/95.6°~28.8°
	Water Resistance	IP66
	Max. Breaking Strength	656.1 KgF
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	950g
	Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5

3.0 Megapixel WDR IP IR Dome Camera (Indoor) SNC-WDL2322DN

- Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- 2048(H)x1536(V) (QXGA) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

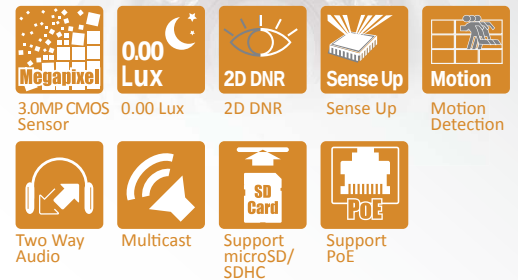
Wide
Dynamic



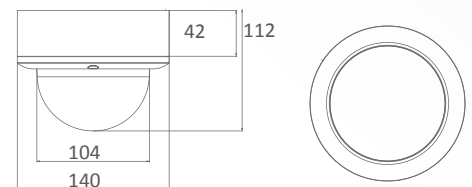
Features

Video	Image Sensor	Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	2048(H)x1536(V) (QXGA)
	Video Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	2048x1536@20fps, Others Up to 30fps
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 58dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
	Water Resistance	NA
	Max. Breaking Strength	NA
Accessories Option	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	550g
Accessories Option	Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504

Mechanical IR Cut Filter (ICR)
Indoor, Plastic
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-201
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

3.0 Megapixel WDR IP IR Vandalproof Camera (Outdoor) SNC-WDL2332DN

- Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- 2048(H)x1536(V) (QXGA) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

Wide
Dynamic



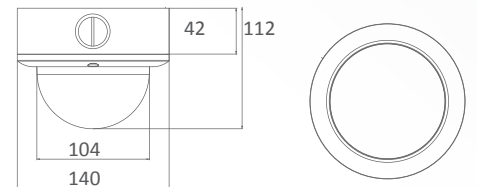
Features

Video	Image Sensor	Sony 1 / 2.8" 3.0 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	2048(H)x1536(V) (QXGA)
	Video Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	2048x1536@20fps, Others Up to 30fps
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 58dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
	Water Resistance	IP66
	Max. Breaking Strength	656.1 Kg
	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	1,000g
	Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504

Mechanical IR Cut Filter (ICR)
Outdoor, Vandalproof
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



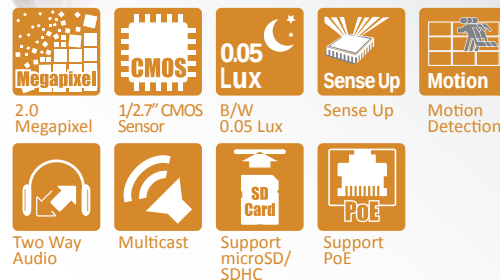
*Specifications are unfixed and do not apply to customized projects. 120301

2.0 Megapixel IP Box Camera SNC-2212DN

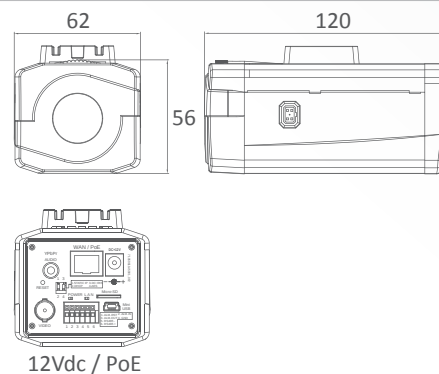
- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

Features

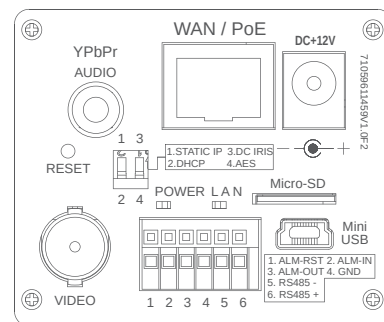
Video	Image Sensor	1/2.7" 2.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1920(H)x1080(V) (1080P)
	Video Resolution	1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC) or YPbPr
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	YPbPr/Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot, Mini USB Slot
	Automatic IRIS ; Connector	DC ; D4 IRIS Jack
	Lens Mount	CS / C mount (With Adaptor Ring)
	Lens, Angle of View (H)	Please See the Page of Lens Series
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	62(W)x56(H)x120(L)mm
	Net Weight	350g
	Accessories Option	Lens:SHV-3M2812DAI ; Bracket:MTB-101, MTB-102



Dimensions



12Vdc / PoE



UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

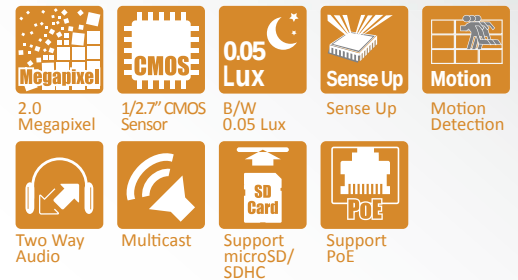
2.0 Megapixel IP Box Varifocal Camera SNC-2252DN

- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.3, B/W:0.05Lux@F1.3, Sense-up:0.001Lux@F1.3
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

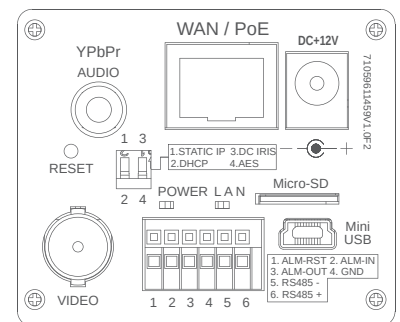
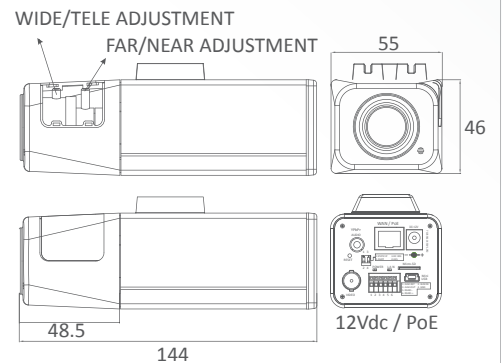


Features

Video	Image Sensor	1/2.7" 2.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1920(H)x1080(V) (1080P)
	Video Resolution	1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.3, B/W:0.05Lux@F1.3, Sense-up:0.001Lux@F1.3
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC) or YPbPr
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	YPbPr/Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot, Mini USB Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal Lens/95.6°~28.8°
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	55(W)x46(H)x144(D)mm
	Net Weight	400g
	Accessories Option	Bracket:MTB-101, MTB-102



Dimensions



UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

2.0 Megapixel IP Dome Camera (Indoor)

SNC-2222DN

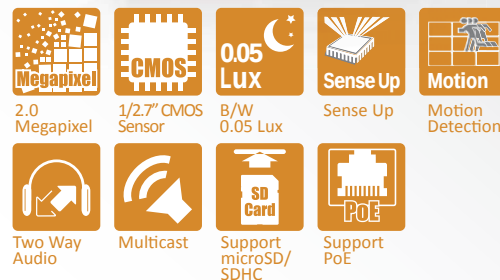
- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.3, B/W:0.05Lux@F1.3, Sense-up:0.001Lux@F1.3
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF



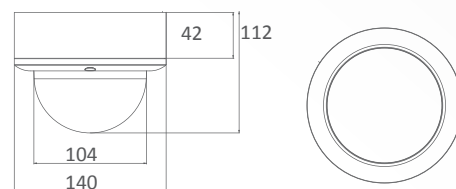
Features

Video	Image Sensor	1/2.7" 2.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1920(H)x1080(V) (1080P)
	Video Resolution	1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.3, B/W:0.05Lux@F1.3, Sense-up:0.001Lux@F1.3
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal Lens/95.6°~28.8°
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	500g
	Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504

Indoor, Plastic
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

2.0 Megapixel IP Vandalproof Camera (Outdoor) SNC-2232DN

- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.3, B/W:0.05Lux@F1.3, Sense-up:0.001Lux@F1.3
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF



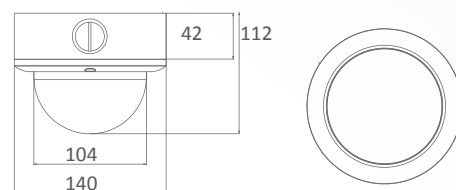
Features

Video	Image Sensor	1/2.7" 2.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1920(H)x1080(V) (1080P)
	Video Resolution	1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.3, B/W:0.05Lux@F1.3, Sense-up:0.001Lux@F1.3
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal Lens/95.6°~28.8°
	Water Resistance	IP66
	Max. Breaking Strength	656.1 Kgf
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	950g
	Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504

*Specifications are unfixed and do not apply to customized projects. 120301



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



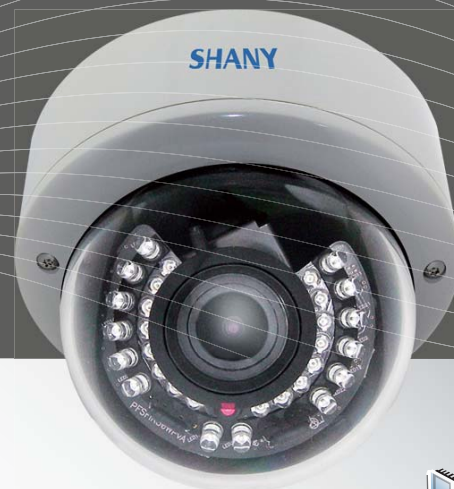
2.0 Megapixel IP IR Dome Camera (Indoor) SNC-L2222DN

- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

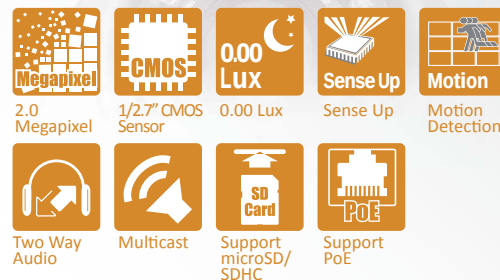
Features

Video	Image Sensor	1/2.7" 2.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1920(H)x1080(V) (1080P)
	Video Resolution	1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
	Water Resistance	NA
	Max. Breaking Strength	NA
Accessories Option	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	550g
Accessories Option	Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504

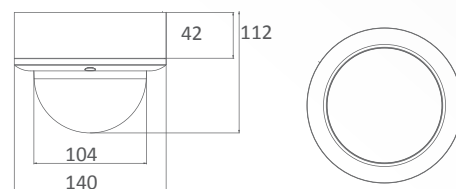
*Specifications are unfixed and do not apply to customized projects. 120301



Mechanical IR Cut Filter (ICR)
Indoor, Plastic
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-201
Wall Mount

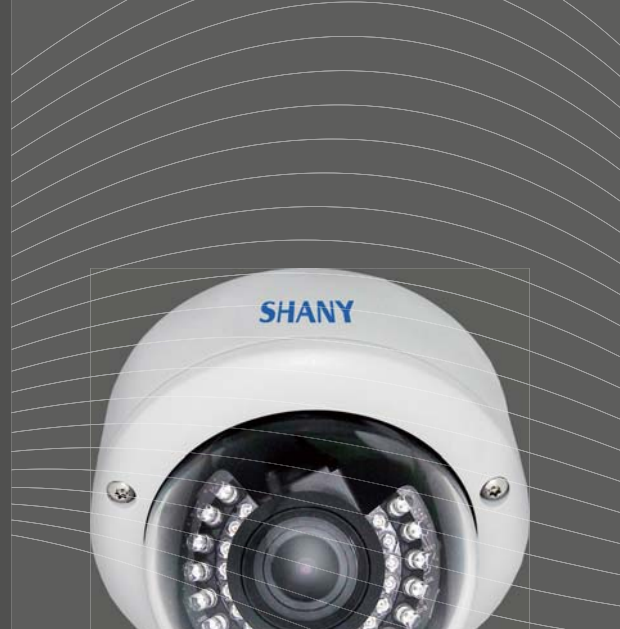
MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



2.0 Megapixel IP IR Vandalproof Camera (Outdoor) SNC-L2232DN

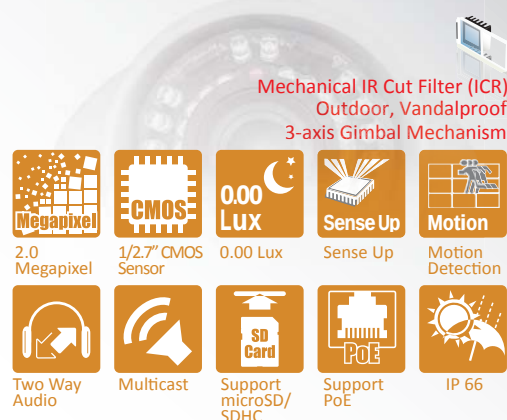
- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF



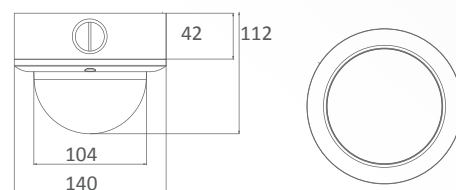
Features

Video	Image Sensor	1/2.7" 2.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1920(H)x1080(V) (1080P)
	Video Resolution	1280x1024, 1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
	Water Resistance	IP66
	Max. Breaking Strength	656.1 Kgf
	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	1,000g
	Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504

*Specifications are unfixed and do not apply to customized projects. 120301



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5

1.3 Megapixel WDR IP Box Camera

SNC-WD2112DN, SNC-WD2112MDN

- Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF



Features

	SNC-WD2112DN	SNC-WD2112MDN
Video	Image Sensor	Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC) or YPbPr
	Signal to Noise Ratio	More than 52dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux) ; External Compatible with Infrared Illuminator
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	YPbPr/Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot, Mini USB Slot
	Automatic IRIS ; Connector	DC ; D4 IRIS Jack
	Lens Mount	CS / C mount (With Adaptor Ring)
	Lens, Angle of View (H)	Please See the Page of Lens Series
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	62(W)x56(H)x120(L)mm
	Net Weight	350g
	Accessories Option	Lens:SHV-3M2812DAI ; Bracket:MTB-101, MTB-102

Mechanical IR Cut Filter (ICR)
SNC-WD2112MDN



1.3MP CMOS Sensor



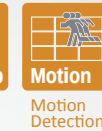
0.01 LUX
B/W 0.01 Lux



2D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast

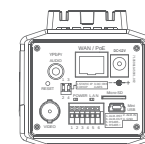
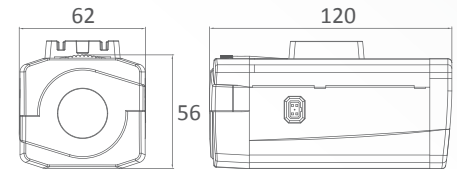


Support microSD/SDHC

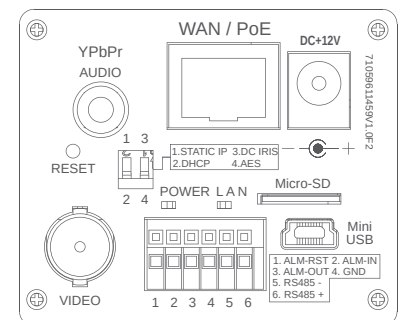


Support PoE

Dimensions



12Vdc / PoE



UNIT : mm / TOL : ±0.5

1.3 Megapixel WDR IP Dome Camera (Indoor) SNC-WD2122DN

- Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

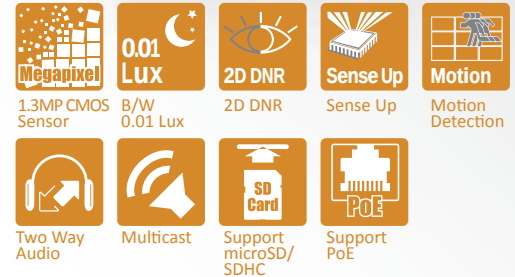
Wide
Dynamic



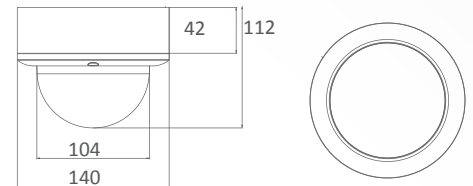
Features

Video	Image Sensor	Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 52dB (AGC off)
	Mechanical IR Cut Filter	NA
	IR LED ; Working Distance	NA
Function	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
Network	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
General	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f2.8~10mm/F1.2 Aspherical Megapixel Varifocal Lens/94.6°~28.8°
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	500g
	Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504

Indoor, Plastic
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-201
Wall Mount



MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

1.3 Megapixel WDR IP Vandalproof Camera (Outdoor) SNC-WD2132DN

- Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

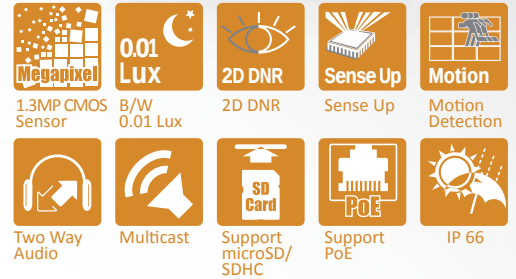
Wide
Dynamic



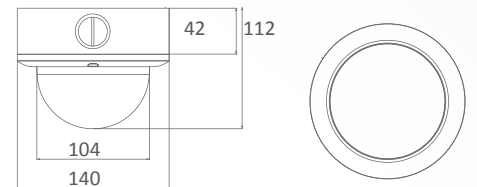
Features

Video	Image Sensor	Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 52dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f2.8~10mm/F1.2 Aspherical Megapixel Varifocal Lens/94.6°~28.8°
	Water Resistance	IP66
	Max. Breaking Strength	656.1 Kg
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	950g
	Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504

Outdoor, Vandalproof
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

1.3 Megapixel WDR IP IR Dome Camera (Indoor) SNC-WDL2122DN

- Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

Wide
Dynamic



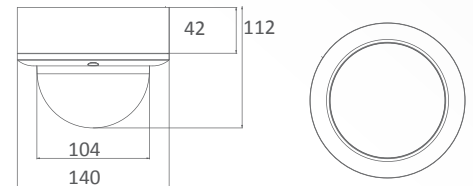
Features

Video	Image Sensor	Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 52dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f2.8~10mm/F1.2 Aspherical Megapixel Varifocal D/N Lens/94.6°~28.8°
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	550g
	Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504

Mechanical IR Cut Filter (ICR)
Indoor, Plastic
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-201
Wall Mount



MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

1.3 Megapixel WDR IP IR Vandalproof Camera (Outdoor) SNC-WDL2132DN

- Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

Wide
Dynamic



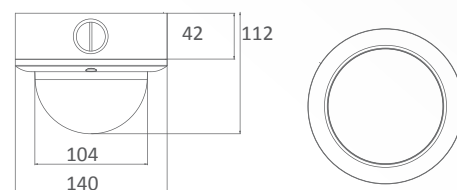
Features

Video	Image Sensor	Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 52dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f2.8~10mm/F1.2 Aspherical Megapixel Varifocal D/N Lens/94.6°~28.8°
	Water Resistance	IP66
	Max. Breaking Strength	656.1 Kgf
Accessories Option	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	1,000g
	Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504

Mechanical IR Cut Filter (ICR)
Outdoor, Vandalproof
3-axis Gimbal Mechanism



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

1.3 Megapixel WDR IP IR Bullet Camera (Outdoor) SNC-WDL2142DN

- Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Built-in Aspherical D/N Lens (f3.8~9.5mm)
- Support 12Vdc / PoE Power Input
- Support ONVIF

Wide
Dynamic

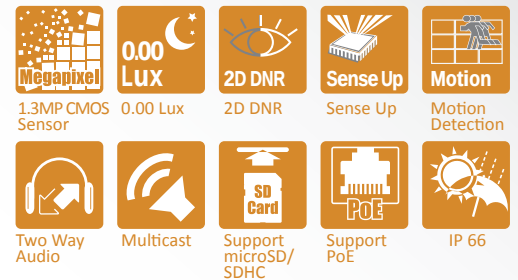


Features

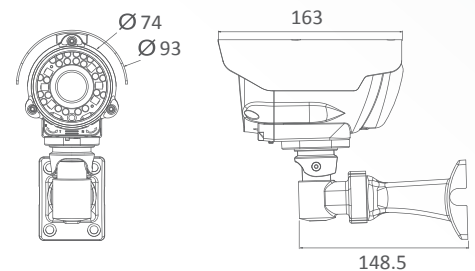
Video	Image Sensor	Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	10 Levels (Adjustable Level Settings)
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 52dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	30 units (6 Pcs HP Reflection LEDs) (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 20~40m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/2 to 1/100,000 sec.
	Manual Electronic Shutter	1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	2D DNR
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / DeNoise / EV Compensation / AWB / WDR / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	Audio, RJ45/PoE, DC Power Jack, BNC (Composite Video Out), Reset Button, DI/DO/RS485
	Automatic IRIS ; Connector	DC
	Lens Mount	Built-in DC Auto IRIS Lens
	Lens, Angle of View (H)	f3.8~9.5mm/F1.2 Aspherical Varifocal D/N Lens/74.2°~30.0°
	Water Resistance	IP66
	Max. Breaking Strength	NA
General	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	93(DIA)x163(D)mm
	Net Weight	1,000g
	Accessories Option	Pole Bracket:MTB-4145

*Specifications are unfixed and do not apply to customized projects. 120301

Mechanical IR Cut Filter (ICR)
3-axis Cable Management



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-4145
Pole Mount

UNIT : mm / TOL : ±0.5



1.3 Megapixel WDR IP Speed Dome Camera (22X)

SNC-HD91IR22DN, SNC-HD82IR22DN SNC-HD81IR22DNC, SNC-HD81IR22DNS

- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.6, B/W:0.05Lux@F1.6, Sense-up:0.0001Lux@F1.6
- Optical 22x, Digital 16x, Total 352x ; Auto Focus & Auto IRIS Zoom Lens
- Powerful 128x WDR
- Anti-Headlight (HLC) & Fog Reduction & Digital Image Stabilizer (DIS)
- 3D Noise Reduction & Sense Up (256x) Functions
- Privacy Mask & Motion Detection Function
- Two-way Audio & Support Multicast

Features

SNC-HD91IR22DN / SNC-HD82IR22DN / SNC-HD81IR22DNC / SNC-HD81IR22DNS		
Video	Image Sensor	1/3" 1.3 Megapixel CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color(ICR off):0.1Lux@F1.6, B/W(ICR on):0.05Lux@F1.6, Sense-up(ICR on):0.0001Lux@F1.6
	Wide Dynamic Range	128x Normal Camera
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio (S/N)	More than 55dB (AGC off)
	Mechanical IR Cut Filter (ICR)	Automatically Switches or Compatible with Infrared Illuminator
Function	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	COLOR / B&W / AUTO
	Auto Electronic Shutter	AUTO: 1/50(60)~1/120,000 sec.
	Manual Electronic Shutter	MANUAL: OFF(1/50(60)), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/120,000 sec.
	Auto Gain Control	0~42dB
	White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR
	WDR ; BLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF
	Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF
	Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)
	Sense Up	OFF / ON (x2~x256)
	Digital Image Stabilizer	ON / ACTIVE / OFF
	Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE
	E-Zoom	x2~x16(Optical 22x, Digital 16x, Total 352x) / OFF
	Picture Effects	NEGATIVE / SHARPNESS / MIRROR
	Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)
	Motion Detection	SIMPLE / TRACE / IN-OUT / OFF
	Camera Control Interface	Pelco D / Pelco P
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; 7.11 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
Control	Controls	PAN / TILT, LENS
	Auto Pan	Yes
	Tour Pattern	1 Group (accommodates preset #1~#10)
	Home Function	Yes
	System Memory	Yes
	Panning Range & Speed	360°Continuous ; 0.2°~240°/sec.
	Tilt Range & Speed	0°~90° ; 0.2°~120°/sec.
	Pan, Tilt Accuracy	±0.02°
	Preset Positions	255 Positions
General	Connector	BNC (Composite Video Out) / RJ-45 / Power
	Lens	22x Optical Zoom f4.7mm(Wide)~103mm(Tele), F1.6 to F3.2
	Angle of View	H:58.16°(Wide)~2.9°(Tele)/V:34.31°(Wide)~1.64°(Tele)
	Minimum Working Distance	0.1m
	Focusing System	AUTO / MANUAL / PUSHAF
	Water Resistance	SNC-HD91IR22DN:IP66, SNC-HD82IR22DN:IP66
	Max. Breaking Strength	NA
	Power Supply ; Consumption	24Vdc / 24Vac
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	290x293mm / 200x280mm / 200x223mm / 200x134mm
	Net Weight	4.05kg / 3.35kg / 2.55kg / 2.8kg
	Accessories Option	MTB-901A, MTB-901B, MTB-902, MTB-904, MTB-905

*Specifications are unfixed and do not apply to customized projects. 120301

Wide
Dynamic



SNC-HD91IR22DN



SNC-HD82IR22DN



SNC-HD81IR22DNC



SNC-HD81IR22DNS

Mechanical IR Cut Filter (ICR)



1.3MP CMOS Sensor



B/W 0.05 Lux



3D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast



Home Function

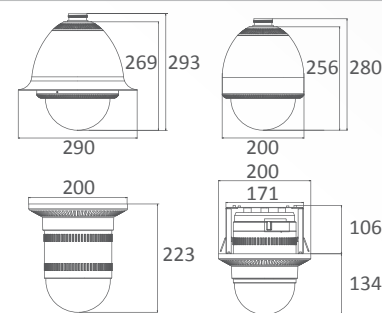


255 Preset Points



Auto Focus

Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-901A, MTB-901B
Ceiling Mount



MTB-902
Wall Mount



MTB-904
Corner Mount



MTB-905
Pole Mount

ONVIF

1.3 Megapixel WDR IP Speed Dome Camera (12X)

SNC-HD91IR12DN, SNC-HD82IR12DN SNC-HD81IR12DNC, SNC-HD81IR12DNS

- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.8, B/W:0.05Lux@F1.8, Sense-up:0.0001Lux@F1.8
- Optical 12x, Digital 16x, Total 192x ; Auto Focus & Auto IRIS Zoom Lens
- Powerful 128x WDR
- Anti-Headlight (HLC) & Fog Reduction & Digital Image Stabilizer (DIS)
- 3D Noise Reduction & Sense Up (256x) Functions
- Privacy Mask & Motion Detection Function
- Two-way Audio & Support Multicast

Features

SNC-HD91IR12DN / SNC-HD82IR12DN / SNC-HD81IR12DNC / SNC-HD81IR12DNS		
Video	Image Sensor	1/3" 1.3 Megapixel CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
Function	Minimum Illumination	Color(ICR off):0.1Lux@F1.8, B/W(ICR on):0.05Lux@F1.8, Sense-up(ICR on):0.0001Lux@F1.8
	Wide Dynamic Range	128x Normal Camera
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio (S/N)	More than 55dB (AGC off)
	Mechanical IR Cut Filter (ICR)	Automatically Switches or Compatible with Infrared Illuminator
Network	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	COLOR / B&W / AUTO
	Auto Electronic Shutter	AUTO: 1/50(60)~1/120,000 sec.
	Manual Electronic Shutter	MANUAL: OFF(1/50(60)), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/120,000 sec.
	Auto Gain Control	0~42dB
	White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR
	WDR ; BLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF
	Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF
	Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)
	Sense Up	OFF / ON (x2~x256)
	Digital Image Stabilizer	ON / ACTIVE / OFF
	Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE
	E-Zoom	x2~x16(Optical 12x, Digital 16x, Total 192x) / OFF
	Picture Effects	NEGATIVE / SHARPNESS / MIRROR
	Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)
Control	Motion Detection	SIMPLE / TRACE / IN-OUT / OFF
	Camera Control Interface	Pelco D / Pelco P
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; 7.11 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
General	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Controls	PAN / TILT, LENS
	Auto Pan	Yes
	Tour Pattern	1 Group (accommodates preset #1~#10)
	Home Function	Yes
	System Memory	Yes
	Panning Range & Speed	360°Continuous ; 0.2°~240°/sec.
	Tilt Range & Speed	0°~90° ; 0.2°~120°/sec.
	Pan, Tilt Accuracy	±0.02°
Option	Preset Positions	255 Positions
	Connector	BNC (Composite Video Out) / RJ-45 / Power
	Lens	12x Optical Zoom f5.2mm(Wide)~62.4mm(Tele), F1.8 to F3.0
	Angle of View	H:51°(Wide)~4.64°(Tele)/V:38.3°(Wide)~3.48°(Tele)
	Minimum Working Distance	0.1m
	Focusing System	AUTO / MANUAL / PUSHAF
	Water Resistance	SNC-HD91IR12DN:IP66, SNC-HD82IR12DN:IP66
	Max. Breaking Strength	NA
	Power Supply ; Consumption	24Vdc / 24Vac
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
Option	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	290x293mm / 200x280mm / 200x223mm / 200x134mm
	Net Weight	4.05kg / 3.35kg / 2.55kg / 2.8kg
	Accessories Option	MTB-901A, MTB-901B, MTB-902, MTB-904, MTB-905

*Specifications are unfixed and do not apply to customized projects. 120301

Wide
Dynamic



SNC-HD91IR12DN



SNC-HD82IR12DN



SNC-HD81IR12DNC



SNC-HD81IR12DNS

Mechanical IR Cut Filter (ICR)



1.3MP CMOS Sensor



B/W 0.05 Lux



3D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast



Home Function

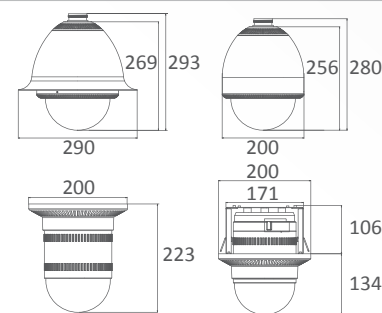


255 Preset Points



Auto Focus

Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-901A, MTB-901B
Ceiling Mount



MTB-902
Wall Mount



MTB-904
Corner Mount



MTB-905
Pole Mount

1.0 Megapixel IP Box Camera SNC-2110MDN

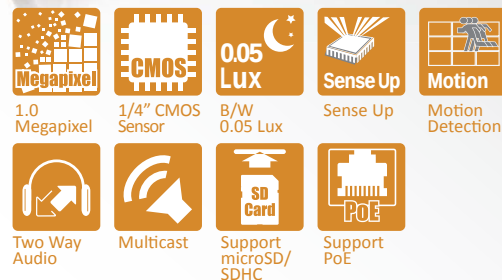
- 1/4" 1.0 Megapixel Progressive CMOS Sensor
- 1280(H)x720(V) (720P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input
- Support ONVIF

Features

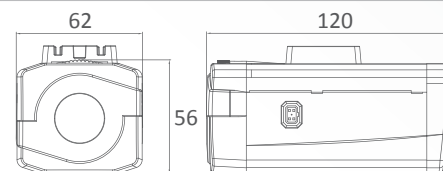
Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC) or YPbPr
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux) ; External IR LED ; Working Distance
Function	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
Network	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	YPbPr/Audio, RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot, Mini USB Slot
	Automatic IRIS ; Connector	DC ; D4 IRIS Jack
	Lens Mount	CS / C mount (With Adaptor Ring)
	Lens, Angle of View (H)	Please See the Page of Lens Series
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	62(W)x56(H)x120(L)mm
	Net Weight	350g
	Accessories Option	Lens:SHV-3M2812DAI ; Bracket:MTB-101, MTB-102



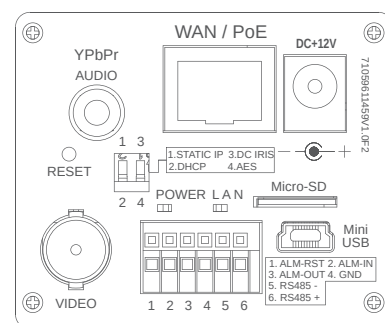
Mechanical IR Cut Filter (ICR)
SNC-2110MDN



Dimensions



12Vdc / PoE



UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

1.0 Megapixel IP Dome Camera (Indoor)

SNC-2120DNV

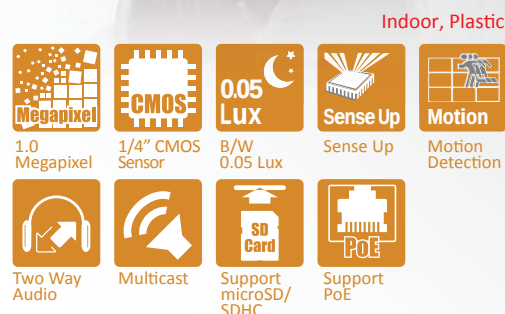
- 1/4" 1.0 Megapixel Progressive CMOS Sensor
- 1280(H)x720(V) (720P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
- Megapixel 4X Auto Focus Zoom Lens
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Support Multicast
- Support 12Vdc / PoE Power Input
- Support ONVIF

4X ZOOM



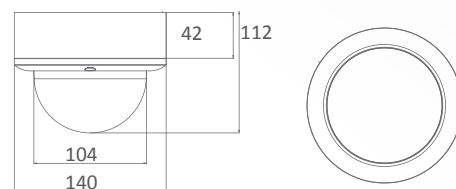
Features

Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	NA
	Lens Mount	Built-in Moto Varifocal Lens
	Lens, Angle of View (H)	f3.7~14.8mm/F1.6 Megapixel Varifocal Lens/90°~23°
	Water Resistance	NA
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	500g
	Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504



Indoor, Plastic

Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-201
Wall Mount



MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

1.0 Megapixel IP Vandalproof Camera (Outdoor) SNC-2130DNV

- 1/4" 1.0 Megapixel Progressive CMOS Sensor
- 1280(H)x720(V) (720P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
- Megapixel 4X Auto Focus Zoom Lens
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Support Multicast
- Support 12Vdc / PoE Power Input
- Support ONVIF

Features

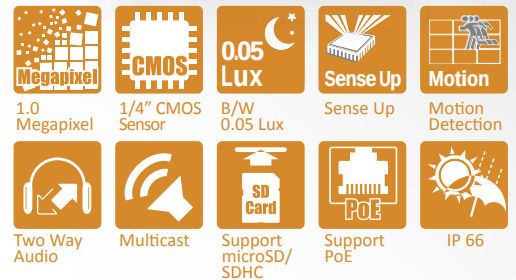
Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	NA
Function	IR LED ; Working Distance	NA
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	RJ45/PoE, DC Power, BNC (Composite Video Out), DI/DO/RS485, Micro SD Slot
	Automatic IRIS ; Connector	NA
	Lens Mount	Built-in Moto Varifocal Lens
	Lens, Angle of View (H)	f3.7~14.8mm/F1.6 Megapixel Varifocal Lens/90°~23°
	Water Resistance	IP66
	Max. Breaking Strength	656.1 Kgf
	Power Supply ; Consumption	12Vdc / PoE ; 4W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	140(DIA)x112(H)mm
	Net Weight	950g
	Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504

*Specifications are unfixed and do not apply to customized projects. 120301

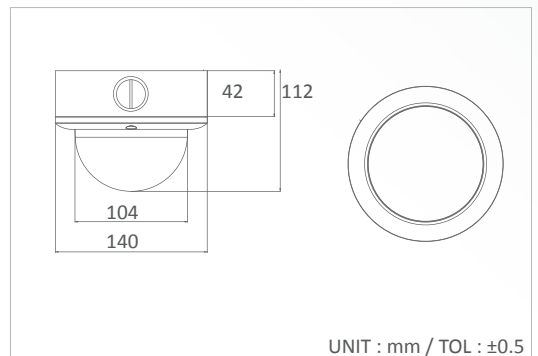


4X ZOOM

Outdoor, Vandalproof



Dimensions



Option



ONVIF

1.0 Megapixel IP IR Varifocal Bullet Camera SNC-L2140DNV

- 1/4" 1.0 Megapixel Progressive CMOS Sensor
- 1280(H)x720(V) (720P) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- Megapixel 4X Auto Focus Zoom Lens
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Support Multicast
- Support 12Vdc / PoE Power Input
- Support ONVIF

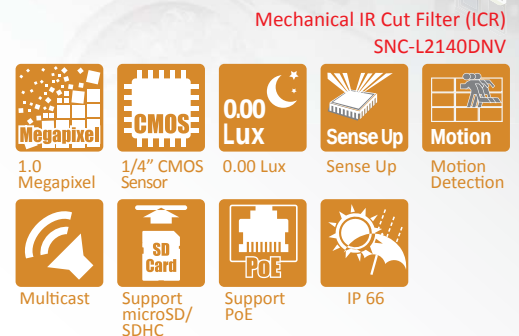
4X ZOOM



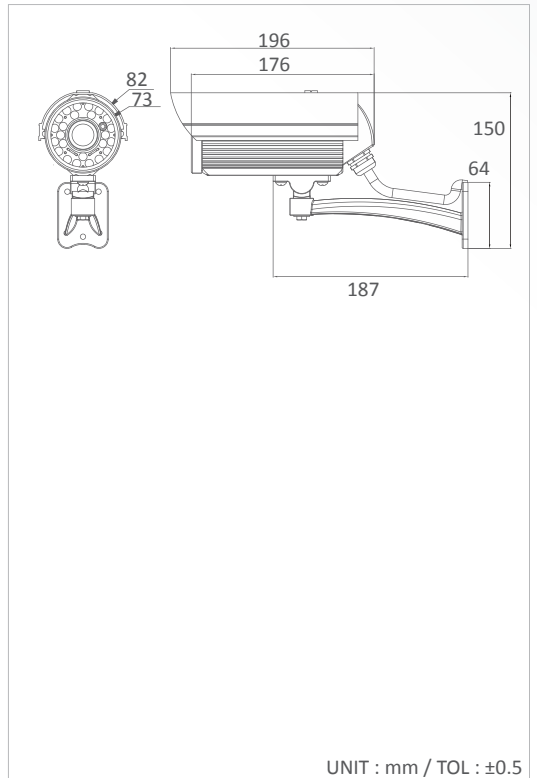
Features

Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	24 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 25~35m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
General	Connector	RJ45/PoE, DC Power Jack, BNC (Composite Video Out), Reset Button
	Automatic IRIS ; Connector	NA
	Lens Mount	Built-in Moto Varifocal Lens
	Lens, Angle of View (H)	f3.7~14.8mm/F1.6 Megapixel Varifocal Lens/90°~23°
	Water Resistance	IP66
	Max. Breaking Strength	NA
	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	82(DIA)x196(H)mm
	Net Weight	1,000g
	Accessories Option	NA

*Specifications are unfixed and do not apply to customized projects. 120301



Dimensions



UNIT : mm / TOL : ±0.5



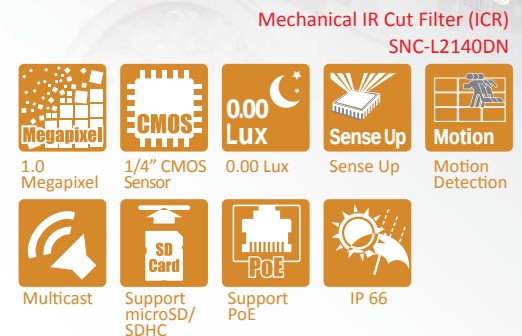
1.0 Megapixel IP IR Bullet Camera SNC-L2140DN

- 1/4" 1.0 Megapixel Progressive CMOS Sensor
- 1280(H)x720(V) (720P) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Support Multicast
- Support 12Vdc / PoE Power Input
- Support ONVIF

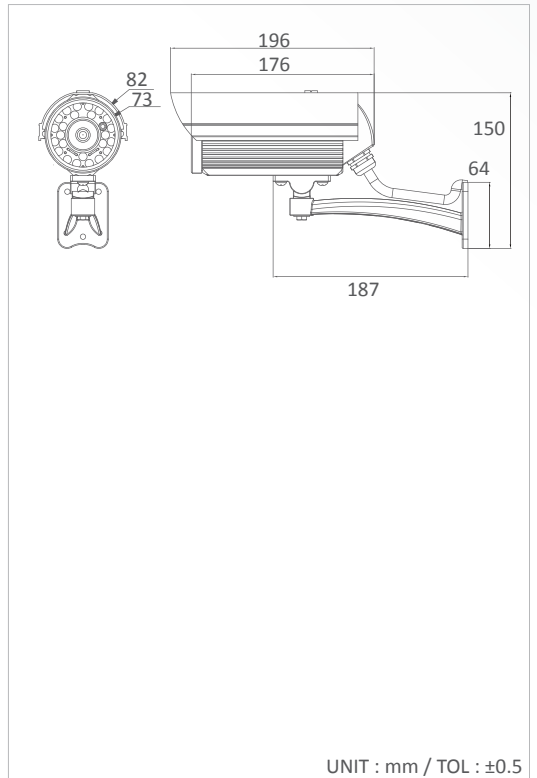


Features

Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic Range	NA
	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio	More than 50dB (AGC off)
	Mechanical IR Cut Filter	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
Function	IR LED ; Working Distance	24 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 25~35m
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	Color / B&W / Auto
	Auto Electronic Shutter	1/7.5 to 1/100,000 sec.
	Manual Electronic Shutter	1/7.5, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1,000, 1/10,000, 1/100,000 sec.
	White Balance	Auto_wide / Auto_normal / Sunny / Shadow / Indoor / Lamp / FL1 / FL2
	Dynamic Noise Reduction	NA
	Sense Up	Yes
	Language	English / Japanese / Traditional Chinese / Simplified Chinese
	Image Setting	Brightness / Contrast / Saturation / Sharpness / hue / EV Compensation / AWB / Rotation
Network	Motion Detection	Yes
	Motion Alarm Trigger	Yes
	Timer Clock	Yes
	Camera Control Interface	Pelco D, Pelco P, Customer
	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
General	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
	Connector	RJ45/PoE, DC Power Jack, BNC (Composite Video Out), Reset Button
	Automatic IRIS ; Connector	NA
	Lens Mount	Built-in Board Lens
	Lens, Angle of View (H)	f6.0mm/F1.8 Megapixel Lens (Option:f8mm)
	Water Resistance	IP66
	Max. Breaking Strength	NA
General	Power Supply ; Consumption	12Vdc / PoE ; 9W
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	82(DIA)x196(H)mm
	Net Weight	1,000g
	Accessories Option	NA



Dimensions



UNIT : mm / TOL : ±0.5



*Specifications are unfixed and do not apply to customized projects. 120301

Full D1 WDR IP Speed Dome Camera (36X, 610TVL)

SNC-WD91IR36DN, SNC-WD82IR36DN SNC-WD81IR36DNC, SNC-WD81IR36DNS

- Full D1 (720(H)x576(V)/720(H)x480(V)) ; H.264, MPEG4, M-JPEG
- Color:0.1Lux@F1.6, B/W:0.05Lux@F1.6, Sense-up:0.0001Lux@F1.6
- Optical 36x, Digital 16x, Total 576x ; Auto Focus & Auto IRIS Zoom Lens
- Powerful 128x WDR
- Anti-Headlight (HLC) & Fog Reduction & Digital Image Stabilizer (DIS)
- 3D Noise Reduction & Sense Up (256x) Functions
- Privacy Mask & Motion Detection Function
- Two-way Audio & Support Multicast

Features

SNC-WD91IR36DN / SNC-WD82IR36DN / SNC-WD81IR36DNC / SNC-WD81IR36DNS		
Video	Image Sensor	1/4" Sony 760H Super HAD CCD II
	Highest Resolution	Full D1 (PAL:720(H)x576(V)/NTSC:720(H)x480(V))
	Video Resolution	CIF (352x288/352x240), QCIF (176x144/160x112)
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color(ICR off):0.1Lux@F1.6, B/W(ICR on):0.05Lux@F1.6, Sense-up(ICR on):0.0001Lux@F1.6
	Wide Dynamic Range	128x Normal Camera
Function	Second Video Output	1.0Vp-p Composite, 75Ω (BNC)
	Signal to Noise Ratio (S/N)	More than 55dB (AGC off)
	Mechanical IR Cut Filter (ICR)	Automatically Switches or Compatible with Infrared Illuminator
	Menu	Can Be Set Via Browser
	Digital Day&Night Mode	COLOR / B&W / AUTO
	Auto Electronic Shutter	AUTO: 1/50(60)~1/120,000 sec.
	Manual Electronic Shutter	MANUAL: OFF(1/50(60)), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/120,000 sec.
	Auto Gain Control	0~42dB
	White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR
	WDR ; BLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF
	Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF
	Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)
	Sense Up	OFF / ON (x2~x256)
	Digital Image Stabilizer	ON / ACTIVE / OFF
	Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE
	E-Zoom	x2~x16(Optical 36x, Digital 16x, Total 576x) / OFF
	Picture Effects	NEGATIVE / SHARPNESS / MIRROR
	Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)
	Motion Detection	SIMPLE / TRACE / IN-OUT / OFF
	Camera Control Interface	Pelco D / Pelco P
Network	Browser	IE 8.0 or Above
	Ethernet	10/100M Auto Negotiation
	Bit Rate Transmission	64 up to 12,000 Kbps
	Supported Protocols	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, ARP, UPnP, RTSP RTP Ethernet (RJ-45 Wired 10/100 Base-TX)
	Video Streaming	H.264, MPEG4 and M-JPEG Dual/Triple Streaming
	Audio Streaming	Two-way Audio ; G.711 (μLaw), 8KHz Sample Rate
	Users	Support 10 Simultaneous Users
	Security	ID/Password Protection, IP Address Filtering, User Access Log
	Alarm Event	File Upload via FTP and Email/Notification via Email, HTTP, External Digital Output Activation, micro SD Recording
	Multicast	Support Multicast Function
Control	Controls	PAN / TILT, LENS
	Auto Pan	Yes
	Tour Pattern	1 Group (accommodates preset #1~#10)
	Home Function	Yes
	System Memory	Yes
	Panning Range & Speed	360°Continuous ; 0.2°~240°/sec.
	Tilt Range & Speed	0°~90° ; 0.2°~120°/sec.
	Pan, Tilt Accuracy	±0.02°
	Preset Positions	255 Positions
General	Connector	BNC (Composite Video Out) / RJ-45 / Power
	Lens	36x Optical Zoom f3.4mm(Wide)~122.4mm(Tele), F1.6 to F4.5
	Angle of View	H:57.8°(Wide)~1.7°(Tele)/V:43.7°(Wide)~1.3°(Tele)
	Minimum Working Distance	0.1m
	Focusing System	AUTO / MANUAL / PUSHAF
	Water Resistance	SNC-WD91IR36DN:IP66, SNC-WD82IR36DN:IP66
	Max. Breaking Strength	NA
	Power Supply ; Consumption	24Vdc / 24Vac
	Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
	Operation ; Storage Humidity	Maximum: RH80% ; RH90%
	Dimensions	290x293mm / 200x280mm / 200x223mm / 200x134mm
	Net Weight	4.05kg / 3.35kg / 2.55kg / 2.8kg
	Accessories Option	MTB-901A, MTB-901B, MTB-902, MTB-904, MTB-905

*Specifications are unfixed and do not apply to customized projects. 120301

Wide
Dynamic



SNC-WD91IR36DN



SNC-WD82IR36DN



SNC-WD81IR36DNC



SNC-WD81IR36DNS

Mechanical IR Cut Filter (ICR)



1/4" CCD Sensor



B/W 0.05 Lux



3D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast



Home Function

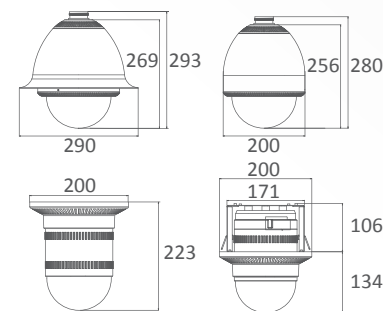


255 Preset Points



Auto Focus

Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-901A, MTB-901B
Ceiling Mount



MTB-902
Wall Mount



MTB-904
Corner Mount



MTB-905
Pole Mount

USB Keyboard Control

- **MCU-PTZ071**

Megapixel Lens

- **SHV-3M2812DAI [3M]**
- **SHV-3M04NI [3M]**
- **SHV-2M2812DAI [2M]**

HDMI Cable

- **HDMI-030RG/MM**

Power Supply

- **ADA-12150**
- **ADA-12151**
- **ADA-12152**

USB Keyboard Control

Model	MCU-PTZ071
Material	Housing : Metal Function Buttons : ABS
Deflection	X axis : $\pm 25^{\circ} \sim 30^{\circ}$; Y axis : $\pm 25^{\circ} \sim 30^{\circ}$; Z axis : $\pm 45^{\circ}$
Centering	X/Y/Z 3 axis auto coordinate orientation
Storage Temperature	-20°C~70°C
Function Buttons	12 Keys and 3D Joystick
Operation Temperature	0~50°C
Interface	USB1.1
Power Supply	Via USB Interface (5V DC)
Dimensions	160(W)x180(D)x93(H)mm
Weight	820g



MCU-PTZ071

3.0 Megapixel IR Auto IRIS Lens

Model	SHV-3M2812DAI
Focus (mm)	2.8~12
Aperture (F)	1.4
Mount	CS-Mount
Format	1/3"
Hor. Angle of View (H)	1/3", 23.26°~100.02°
M.O.D	1.5 meter
Remark	IR DC Auto IRIS



SHV-3M2812DAI

3.0 Megapixel IR Fixed Lens

Model	SHV-3M04NI
Focus (mm)	4
Aperture (F)	1.6
Mount	CS-Mount
Format	1/2.8"
Hor. Angle of View (H)	1/2.8", 73.6°
M.O.D	0.5 meter
Remark	Manual IRIS (Day & Night)

2.0 Megapixel IR Auto IRIS Lens

Model	SHV-2M2812DAI
Focus (mm)	2.8~12
Aperture (F)	1.2
Mount	CS-Mount
Format	1/2.7"
Hor. Angle of View (H)	1/2.7", 29.1°~139.1°
M.O.D	1.5 meter
Remark	IR DC Auto IRIS (Day & Night)



SHV-3M04NI



SHV-2M2812DAI

HDMI Cable

Model	HDMI-030RG/MM
Cable Type:	Round Type
Connector Type:	HDMI male to HDMI male
Connector Pin Number:	19pin to 19pin
Connector Material:	Gold Plated, Molding Type
Supported Resolution:	Standard Video Resolutions
Cable Length:	3.0 m
Color:	Black



HDMI-030RG/MM

Switch Power Supply (AC to DC)

Model	ADA-12150	ADA-12151	ADA-12152
AC Input Voltage (Vac)	100~240	100~240	100~240
AC Input Frequency (Hz)	50~60	50~60	50~60
AC Input Current (A)	0.5 (Max.)	0.5 (Max.)	0.5 (Max.)
DC Output Voltage (Vdc)	12 (±5%)	12 (±5%)	12 (±5%)
DC Output Current (A)	1.5	1.5	1.5
Dimension (mm)	45x70x30 (Without Plug)	45x70x30 (Without Plug)	45x70x30 (Without Plug)
Application (Country)	USA, Japan, Taiwan, etc.	Germany, Europe, etc.	UK, the Middle East, etc.



USA, JP

Europe

UK

SHANY

THE ELITE OF CCTV

HDcctv (SDI) Solution



3G-SDI (1080P) HDcctv Camera
HD-SDI (720P) HDcctv Camera
HD-SDI (720P) HDcctv SpeedDome Camera
3G-SDI Receiver
SDI DVR
Accessories

B03~B09
B10~B15
B16~B17
B18~B19
B20~B20
B21~B22

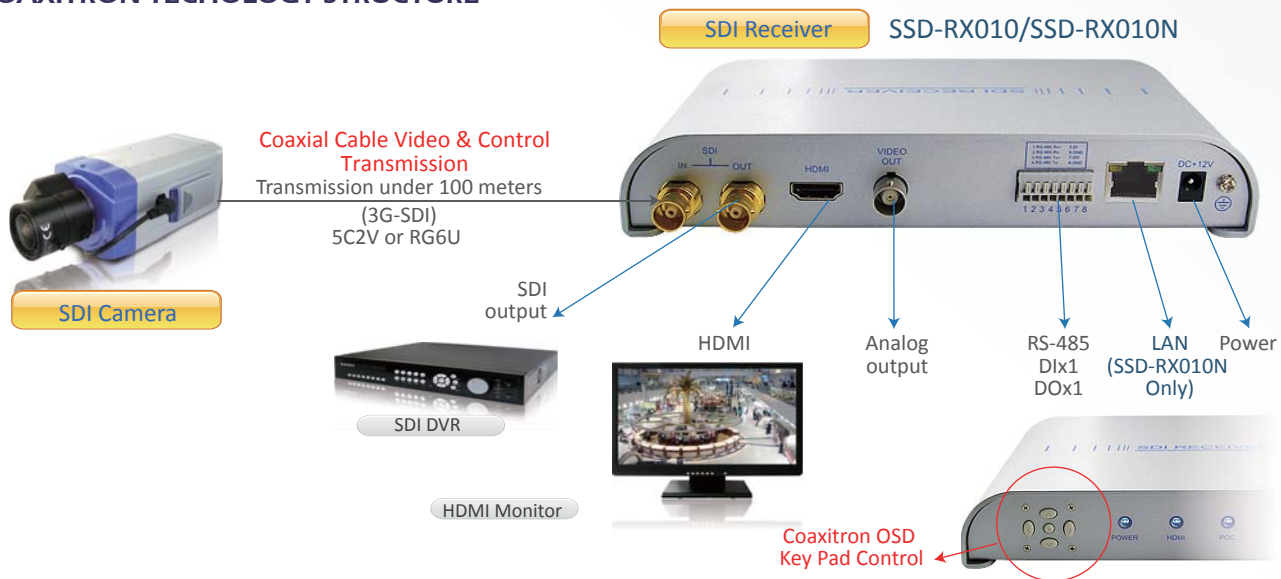
Introduce HDcctv (SDI) System HDcctv (SDI) Solution



COAXITRON TECHNOLOGY

- Coaxitron Technology, Coaxial Cable **Video & Control** Transmission
- SDI Standards 3G-SDI (SMPTE 424M) & HD-SDI (SMPTE 292M)
- Long –distance transmission up to 100 meters, can be cascade to extend the total distance.
- Real-time High Quality Digital Video Transmission ; Easy Installation, Easy Setting , Easy Control
- Support SDI: Full HD 1920x1080P@25/30/50/60fps, HD 1920x1080i@50/60fps, HD 1280x720P@25/30/50/60fps
- Triple Video Output(Simultaneity): SDI / BNC / HDMI (Only SSC-WD2311MDN, SSC-WD2111MDN have HDMI Output)

COAXITRON TECHNOLOGY STRUCTURE



EXCLUSIVE ONE CABLE TECHNOLOGY

- Exclusive One Cable Technology, One Cable Transmission(**Video/Audio/Power/Control**)
- SDI Standards 3G-SDI (SMPTE 424M) & HD-SDI (SMPTE 292M)
- Long –distance transmission up to 100 meters, can be cascade to extend the total distance.
- Real-time High Quality Digital Video Transmission ; Easy Installation, Easy Setting , Easy Control
- Support SDI: Full HD 1920x1080P@25/30/50/60fps, HD 1920x1080i@50/60fps, HD 1280x720P@25/30/50/60fps
- Triple Video Output(Simultaneity): SDI / BNC / HDMI (Only SSC-WD2311MDN, SSC-WD2111MDN have HDMI Output)

ONE CABLE TECHNOLOGY STRUCTURE



FEATURES

- Full HD 1920x1080P@50/60fps (3G-SDI) Color Camera
- 1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- Simultaneous Video Output: SDI / HDMI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- 2D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



OPTION
SDI Receiver
without PoC

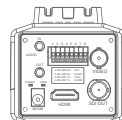
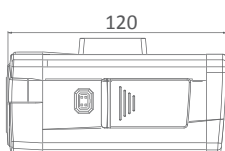
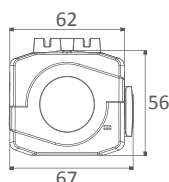
SSD-RX010

SSD-RX010N

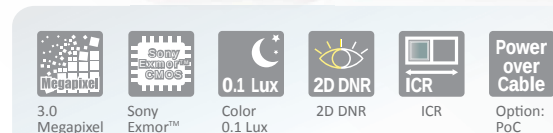
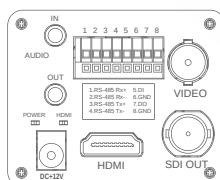
OPTION
SDI Receiver
with PoC

SSD-RX011

SSD-RX011N



12Vdc, Option:PoC



SPECIFICATIONS

Tol:±0.5 Unit:mm

	SSC-WD2311MDN
Video System	PAL / NTSC Selectable
Image Sensor	1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1920(H)x1080(V)
Frame Rates	1920x1080P@50/60fps ; Adjustable to 1920x1080P@25/30fps, 1920x1080i@50/60fps
SDI Standards	3G-SDI (SMPTE 424M)
Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
Digital Wide Dynamic Range	512x Normal Camera (54dB)
Digital Video Output	BNC connector (SDI) x1 / HDMI x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	Option:Two-way Audio
Mechanical IR Cut Filter (ICR)	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	Compatible with Infrared Illuminator
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL
Multi-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK / 3200K / 6300K
WDR ; BLC	WDR / BLC / OFF
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D
Sense Up	ON (2~6X) / OFF
Language	ENGLISH, JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco D-P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1
Automatic IRIS ; Connector	DC ; D4 IRIS Jack
Lens Mount	CS / C mount (With Adaptor Ring)
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series
Water Resistance	NA
Max. Breaking Strength	NA
Power Supply ; Consumption	Standard:12Vdc, Option:PoC (Power over Cable) ; 4.2W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	62(W)x56(H)x120(L)mm
Net Weight	350g
Accessories Option	Lens:SHV-3M2812DAI, SHV-3M04NI ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

*Specifications are unfixed and do not apply to customized projects. 120301

FEATURES

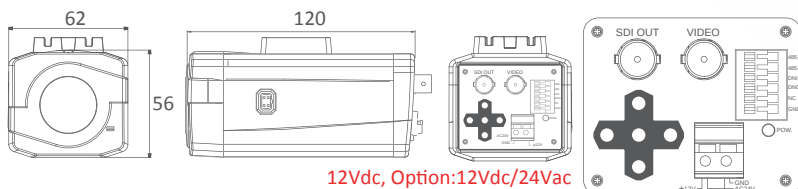
- Full HD 1920x1080P@50/60fps (3G-SDI) Color Camera
- 1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- 2D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, DIx1, DOx1 / Option: Dual Voltage (12Vdc/24Vac)



OPTION
SDI Receiver
without PoC

SSD-RX010

SSD-RX010N



12Vdc, Option:12Vdc/24Vac



SPECIFICATIONS

Tol:±0.5 Unit:mm

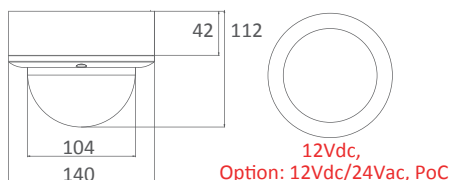
	SSC-WD2316MDN
Video System	PAL / NTSC Selectable
Image Sensor	1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1920(H)x1080(V)
Frame Rates	1920x1080P@50/60fps ; Adjustable to 1920x1080P@25/30fps, 1920x1080i@50/60fps
SDI Standards	3G-SDI (SMPTE 424M)
Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
Digital Wide Dynamic Range	512x Normal Camera (54dB)
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	NA
Mechanical IR Cut Filter (ICR)	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	Compatible with Infrared Illuminator
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL
Multi-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK / 3200K / 6300K
WDR ; BLC	WDR / BLC / OFF
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D
Sense Up	ON (2~6X) / OFF
Language	ENGLISH, JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco-D/P)x1 / DIx1 / DOx1
Automatic IRIS ; Connector	DC ; D4 IRIS Jack
Lens Mount	CS / C mount (With Adaptor Ring)
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series
Water Resistance	NA
Max. Breaking Strength	NA
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac ; 4.2W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	62(W)x56(H)x120(L)mm
Net Weight	350g
Accessories Option	Lens:SHV-3M2812DAI, SHV-3M04NI ; SDI Receiver:SSD-RX010, SSD-RX010N

*Specifications are unfixed and do not apply to customized projects. 120301

Indoor, Plastic
3-axis Gimbal Mechanism

FEATURES

- Full HD 1920x1080P@50/60fps (3G-SDI) Color Camera
- 1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- 2D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



OPTION
SDI Receiver
without PoC



OPTION
SDI Receiver
with PoC



SPECIFICATIONS

Tol:±0.5 Unit:mm

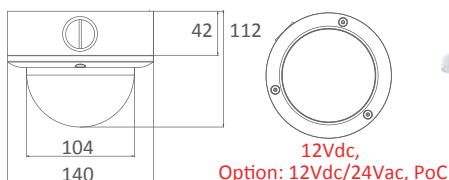
SSC-WD2321MDN	
Video System	PAL / NTSC Selectable
Image Sensor	1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1920(H)x1080(V)
Frame Rates	1920x1080P@50/60fps ; Adjustable to 1920x1080P@25/30fps, 1920x1080i@50/60fps
SDI Standards	3G-SDI (SMPTE 424M)
Minimum Illumination	Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
Digital Wide Dynamic Range	512x Normal Camera (54dB)
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	Option:Two-way Audio
Mechanical IR Cut Filter (ICR)	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	Compatible with Infrared Illuminator
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL
Multi-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK / 3200K / 6300K
WDR ; BLC	WDR / BLC / OFF
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D
Sense Up	ON (2~6X) / OFF
Language	ENGLISH, JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1
Automatic IRIS ; Connector	DC
Lens Mount	Built-in DC Auto IRIS Lens
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
Water Resistance	NA
Max. Breaking Strength	NA
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 4.2W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	140(DIA)x112(H)mm
Net Weight	500g
Accessories Option	Bracket:MTB-201, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

*Specifications are unfixed and do not apply to customized projects. 120301

Outdoor, Vandalproof
3-axis Gimbal Mechanism

FEATURES

- Full HD 1920x1080P@50/60fps (3G-SDI) Color Camera
- 1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- 2D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



12Vdc,
Option: 12Vdc/24Vac, PoC



OPTION
Wall Mount
MTB-413



OPTION
Ceiling Mount
MTB-504

OPTION
SDI Receiver
without PoC

SSD-RX010

SSD-RX010N

OPTION
SDI Receiver
with PoC

SSD-RX011

SSD-RX011N



3.0
Megapixel



Sony
Exmor™



0.1 Lux
Color
0.1 Lux



2D DNR



ICR



Power
over
Cable
Option:
PoC

SPECIFICATIONS

Tol:±0.5 Unit:mm

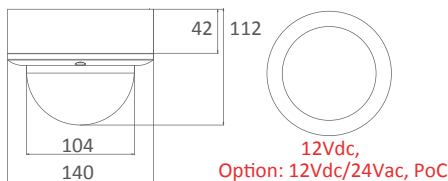
	SSC-WD2331MDN
Video System	PAL / NTSC Selectable
Image Sensor	1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1920(H)x1080(V)
Frame Rates	1920x1080P@50/60fps ; Adjustable to 1920x1080P@25/30fps, 1920x1080i@50/60fps
SDI Standards	3G-SDI (SMPTE 424M)
Minimum Illumination	Color:0.1Lux@F1.3, B/W:0.01Lux@F1.3, Sense-up:0.001Lux@F1.3
Digital Wide Dynamic Range	512x Normal Camera (54dB)
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	Option:Two-way Audio
Mechanical IR Cut Filter (ICR)	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	Compatible with Infrared Illuminator
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL
Multi-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK / 3200K / 6300K
WDR ; BLC	WDR / BLC / OFF
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D
Sense Up	ON (2~6X) / OFF
Language	ENGLISH, JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1
Automatic IRIS ; Connector	DC
Lens Mount	Built-in DC Auto IRIS Lens
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
Water Resistance	IP66
Max. Breaking Strength	656.1 Kg
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 4.2W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	140(DIA)x112(H)mm
Net Weight	950g
Accessories Option	Bracket:MTB-413, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

*Specifications are unfixed and do not apply to customized projects. 120301

Indoor, Plastic
3-axis Gimbal Mechanism

FEATURES

- Full HD 1920x1080P@50/60fps (3G-SDI) Infrared Camera
- 1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- 0.00Lux (IR LEDs on at 2 Lux)
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- 2D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



OPTION
SDI Receiver
without PoC



OPTION
SDI Receiver
with PoC



3.0
Megapixel

Sony
Exmor™
CMOS

0.00 Lux

2D DNR

ICR

Power
over
Cable
Option:
PoC

SPECIFICATIONS

Tol:±0.5 Unit:mm

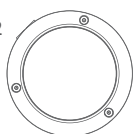
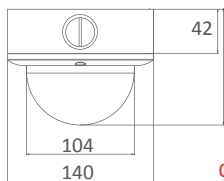
	SSC-WDL2321DN
Video System	PAL / NTSC Selectable
Image Sensor	1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1920(H)x1080(V)
Frame Rates	1920x1080P@50/60fps ; Adjustable to 1920x1080P@25/30fps, 1920x1080i@50/60fps
SDI Standards	3G-SDI (SMPTE 424M)
Minimum Illumination	0.00Lux
Digital Wide Dynamic Range	512x Normal Camera (54dB)
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	Option:Two-way Audio
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO
Multi-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK / 3200K / 6300K
WDR ; BLC	WDR / BLC / OFF
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D
Sense Up	ON (2~6X) / OFF
Language	ENGLISH, JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1
Automatic IRIS ; Connector	DC
Lens Mount	Built-in DC Auto IRIS Lens
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
Water Resistance	NA
Max. Breaking Strength	NA
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 9W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	140(DIA)x112(H)mm
Net Weight	550g
Accessories Option	Bracket:MTB-201, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

*Specifications are unfixed and do not apply to customized projects. 120301

Outdoor, Vandalproof
3-axis Gimbal Mechanism

FEATURES

- Full HD 1920x1080P@50/60fps (3G-SDI) Infrared Camera
- 1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- 0.00Lux (IR LEDs on at 2 Lux)
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- 2D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



12Vdc,
Option: 12Vdc/24Vac, PoC



OPTION
Wall Mount
MTB-413



OPTION
Ceiling Mount
MTB-504



OPTION
SDI Receiver
without PoC



OPTION
SDI Receiver
with PoC



3.0
Megapixel



Sony
Exmor™



0.00 Lux



2D DNR



ICR



Power
over
Cable
Option:
PoC

SPECIFICATIONS

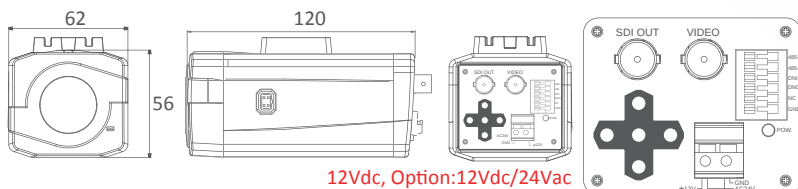
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	SSC-WDL2331DN
Video System	PAL / NTSC Selectable
Image Sensor	1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1920(H)x1080(V)
Frame Rates	1920x1080P@50/60fps ; Adjustable to 1920x1080P@25/30fps, 1920x1080i@50/60fps
SDI Standards	3G-SDI (SMPTE 424M)
Minimum Illumination	0.00Lux
Digital Wide Dynamic Range	512x Normal Camera (54dB)
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	Option:Two-way Audio
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO
Multi-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK / 3200K / 6300K
WDR ; BLC	WDR / BLC / OFF
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D
Sense Up	ON (2~6X) / OFF
Language	ENGLISH, JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1
Automatic IRIS ; Connector	DC
Lens Mount	Built-in DC Auto IRIS Lens
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
Water Resistance	IP66
Max. Breaking Strength	656.1 Kg
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 9W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	140(DIA)x112(H)mm
Net Weight	1,000g
Accessories Option	Bracket:MTB-413, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

*Specifications are unfixed and do not apply to customized projects. 120301

FEATURES

- Full HD 1920x1080P@25/30fps (HD-SDI) Color Camera
- 1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- Fog Reduction & 2D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: Dual Voltage (12Vdc/24Vac)



12Vdc, Option:12Vdc/24Vac



OPTION
SDI Receiver
without PoC

SSD-RX010

SSD-RX010N



3.0
Megapixel



Sony
Exmor™



0.1 Lux
Color
0.1 Lux



2D DNR



ICR



DUAL
VOLTAGE
Option:
Dual Voltage

SPECIFICATIONS

Tol:±0.5 Unit:mm

	SSC-WD2315MDN
Video System	PAL / NTSC Selectable
Image Sensor	1/2.8" Sony 3.0 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1920(H)x1080(V)
Frame Rates	1920x1080P@25/30fps ; Adjustable to 1920x1080i@50/60fps
SDI Standards	HD-SDI (SMPTE 292M)
Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
Digital Wide Dynamic Range	128x Normal Camera
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	NA
Mechanical IR Cut Filter	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	Compatible with Infrared Illuminator
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL
Muti-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/30, 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK
WDR ; BLC	WDR / BLC / OFF
Fog Reduction	CONTRAST (0~15), BACKLIGHT (0~7)
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D
Sense Up	ON (2~32X) / OFF
Language	ENGLISH, JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1
Automatic IRIS ; Connector	DC ; D4 IRIS Jack
Lens Mount	CS / C mount (With Adaptor Ring)
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series
Water Resistance	NA
Max. Breaking Strength	NA
Power Supply ; Consumption	12Vdc, Option:12Vdc/24Vac ; 4.2W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	62(W)x56(H)x120(L)mm
Net Weight	350g
Accessories Option	Lens:SHV-3M2812DAI, SHV-3M04NI ; SDI Receiver:SSD-RX010, SSD-RX010N

*Specifications are unfixed and do not apply to customized projects. 120301

FEATURES

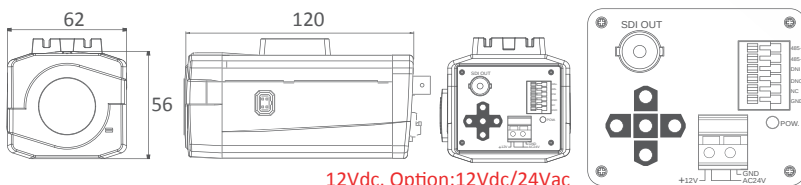
- HD 1280x720P@25/30fps (HD-SDI) Color Camera
- 1/3" Panasonic 1.3 Megapixel Progressive CMOS Sensor
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- Video Output: SDI
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- Fog Reduction & 3D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: Dual Voltage (12Vdc/24Vac)



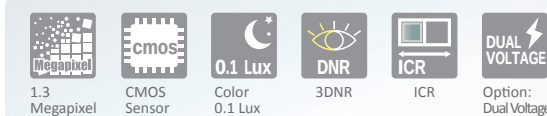
OPTION
SDI Receiver
without PoC

SSD-RX010

SSD-RX010N



12Vdc, Option:12Vdc/24Vac



SPECIFICATIONS

Tol:±0.5 Unit:mm

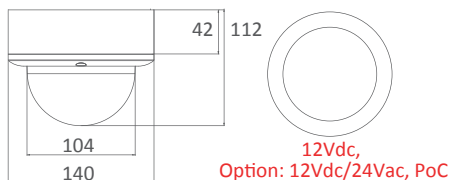
	SSC-WD2114MDN
Video System	PAL / NTSC
Image Sensor	1/3" Panasonic 1.3 Megapixel Progressive CMOS Sensor
Resolution	1280(H)x720(V)
Frame Rates	1280x720P@25/30fps
SDI Standards	HD-SDI (SMPTE 292M)
Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
Digital Wide Dynamic Range	128x Normal Camera
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	NA
Audio	NA
Mechanical IR Cut Filter (ICR)	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	Compatible with Infrared Illuminator
Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL
Electronic Shutter	Auto Shutter:1/50(60)~1/120,000 sec. / Manual Shutter: OFF(1/50(60)), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,500, 1/5,000, 1/10,000, 1/30,000 sec.
Auto Gain Control	0~42dB
White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR
WDR ; BLC, HLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF
Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF
Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)
Sense Up	OFF / ON (x2~x255)
Digital Image Stabilizer	ON / ACTIVE / OFF
Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE
Digital Zoom	ON1 / ON2 / ON3 / ON4 / ON5 / ON6 / ON7 / ON8 / OFF
Picture Effects	NEGATIVE / SHARPNESS / MIRROR
Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)
Motion Detection	SIMPLE / TRACE / IN-OUT / OFF
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1
Automatic IRIS ; Connector	DC ; D4 IRIS Jack
Lens Mount	CS / C mount
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series
Water Resistance	NA
Max. Breaking Strength	NA
Power Supply ; Consumption	12Vdc, Option:12Vdc/24Vac ; 4.2W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	62(W)x56(H)x120(L)mm
Net Weight	350g
Accessories Option	Lens:SHV-2M2812DAI, SHV-3M04NI ; SDI Receiver:SSD-RX010, SSD-RX010N

*Specifications are unfixed and do not apply to customized projects. 120301

FEATURES

Indoor, Plastic
3-axis Gimbal Mechanism

- HD 1280x720P@50/60fps (HD-SDI) Color Camera
- 1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- Fog Reduction & 2D/3D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR) (SSC-WD2121MDN)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



OPTION
Wall Mount
MTB-201



OPTION
Ceiling Mount
MTB-504

OPTION
SDI Receiver
without PoC
OPTION
SDI Receiver
with PoC



1.3
Megapixel



Sony
Exmor™



0.1 Lux
Color
0.1 Lux



2D/3D DNR
2D DNR
3D DNR



ICR SSC-WD
2121MDN



Power
over
Cable
Option:
PoC

Tol:±0.5 Unit:mm

SPECIFICATIONS

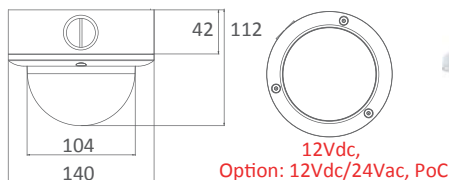
	SSC-WD2121DN	SSC-WD2121MDN
Video System	PAL / NTSC Selectable	
Image Sensor	1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor	
Resolution	1280(H)x720(V)	
Frame Rates	1280x720P@50/60fps, Adjustable to 1280x720P@25/30fps	
SDI Standards	HD-SDI (SMPTE 292M)	
Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2	
Digital Wide Dynamic Range	128x Normal Camera	
Digital Video Output	BNC connector (SDI) x1	
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1	
Audio	Option:Two-way Audio	
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control	
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL	
Muti-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/30, 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	128 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / MANUAL / PUSH LOCK	
WDR ; BLC	WDR / BLC / OFF	
Fog Reduction	CONTRAST (0~15), BACKLIGHT (0~7)	
Flickerless	PAL 50Hz / NTSC 60Hz / OFF	
Dynamic Noise Reduction	2D / 3D	
Sense Up	ON (2~32X) / OFF	
Language	ENGLISH / JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)	
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°	
Water Resistance	NA	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 4.2W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x112(H)mm	
Net Weight	500g	
Accessories Option	Bracket:MTB-201, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N	

*Specifications are unfixed and do not apply to customized projects. 120301

FEATURES

Outdoor, Vandalproof
3-axis Gimbal Mechanism

- HD 1280x720P@50/60fps (HD-SDI) Color Camera
- 1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- Fog Reduction & 2D/3D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR) (SSC-WD2131MDN)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



OPTION
Wall Mount
MTB-413



OPTION
Ceiling Mount
MTB-504



OPTION
SDI Receiver
without PoC



OPTION
SDI Receiver
with PoC



1.3
Megapixel



Sony
Exmor™



0.00 Lux
Color
0.00 Lux



2D/3D DNR
2D DNR
3D DNR



ICR SSC-WD
2131MDN



Power
over
Cable
Option:
PoC

SPECIFICATIONS

Tol:±0.5 Unit:mm

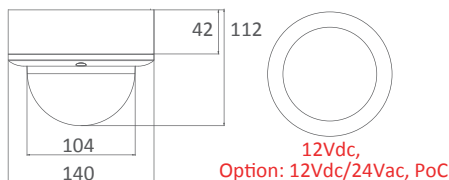
	SSC-WD2131DN	SSC-WD2131MDN
Video System	PAL / NTSC Selectable	
Image Sensor	1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor	
Resolution	1280(H)x720(V)	
Frame Rates	1280x720P@50/60fps, Adjustable to 1280x720P@25/30fps	
SDI Standards	HD-SDI (SMPTE 292M)	
Minimum Illumination	Color:0.1Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.001Lux@F1.2	
Digital Wide Dynamic Range	128x Normal Camera	
Digital Video Output	BNC connector (SDI) x1	
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1	
Audio	Option:Two-way Audio	
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level Can Be Adjusted) / External
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control	
Digital Day&Night Mode	COLOR / B&W / AUTO / EXTERNAL	
Muti-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/30, 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	128 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / MANUAL / PUSH LOCK	
WDR ; BLC	WDR / BLC / OFF	
Fog Reduction	CONTRAST (0~15), BACKLIGHT (0~7)	
Flickerless	PAL 50Hz / NTSC 60Hz / OFF	
Dynamic Noise Reduction	2D / 3D	
Sense Up	ON (2~32X) / OFF	
Language	ENGLISH / JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)	
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°	
Water Resistance	IP66	
Max. Breaking Strength	656.1 Kgf	
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 4.2W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x112(H)mm	
Net Weight	950g	
Accessories Option	Bracket:MTB-413, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N	

*Specifications are unfixed and do not apply to customized projects. 120301

Indoor, Plastic
3-axis Gimbal Mechanism

FEATURES

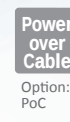
- HD 1280x720P@50/60fps (HD-SDI) Infrared Camera
- 1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 0.00Lux (IR LEDs on at 2 Lux)
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- Fog Reduction & 2D/3D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



OPTION
SDI Receiver
without PoC



OPTION
SDI Receiver
with PoC



SPECIFICATIONS

Tol:±0.5 Unit:mm

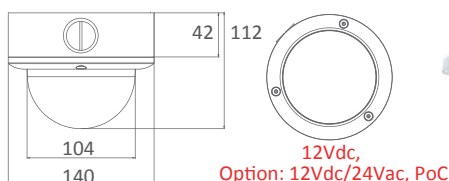
	SSC-WDL2121DN
Video System	PAL / NTSC Selectable
Image Sensor	1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1280(H)x720(V)
Frame Rates	1280x720P@50/60fps, Adjustable to 1280x720P@25/30fps
SDI Standards	HD-SDI (SMPTE 292M)
Minimum Illumination	0.00Lux
Digital Wide Dynamic Range	128x Normal Camera
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	Option:Two-way Audio
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO
Muti-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/30, 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK
WDR ; BLC	WDR / BLC / OFF
Fog Reduction	CONTRAST (0~15), BACKLIGHT (0~7)
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D / 3D
Sense Up	ON (2~32X) / OFF
Language	ENGLISH / JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1
Automatic IRIS ; Connector	DC
Lens Mount	Built-in DC Auto IRIS Lens
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
Water Resistance	NA
Max. Breaking Strength	NA
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 9W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	140(DIA)x112(H)mm
Net Weight	550g
Accessories Option	Bracket:MTB-201, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

*Specifications are unfixed and do not apply to customized projects. 120301

FEATURES

Outdoor, Vandalproof
3-axis Gimbal Mechanism

- HD 1280x720P@50/60fps (HD-SDI) Infrared Camera
- 1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 0.00Lux (IR LEDs on at 2 Lux)
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by RS485 Remote Control / by Coaxial Control
- Fog Reduction & 2D/3D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / Option: PoC + Audio



OPTION
SDI Receiver
without PoC



OPTION
SDI Receiver
with PoC



SPECIFICATIONS

Tol:±0.5 Unit:mm

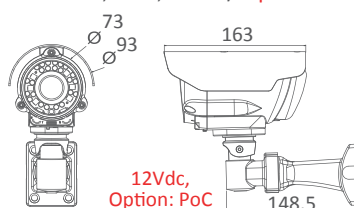
	SSC-WDL2131DN
Video System	PAL / NTSC Selectable
Image Sensor	1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1280(H)x720(V)
Frame Rates	1280x720P@50/60fps, Adjustable to 1280x720P@25/30fps
SDI Standards	HD-SDI (SMPTE 292M)
Minimum Illumination	0.00Lux
Digital Wide Dynamic Range	128x Normal Camera
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	Option:Two-way Audio
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m
OSD Menu	OSD Control / by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO
Muti-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/30, 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK
WDR ; BLC	WDR / BLC / OFF
Fog Reduction	CONTRAST (0~15), BACKLIGHT (0~7)
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D / 3D
Sense Up	ON (2~32X) / OFF
Language	ENGLISH / JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	RS-485(Pelco-D/P)x1 / Dlx1 / DOx1, Option:Audio In(3.5mm)x1 / Audio Out(3.5mm)x1
Automatic IRIS ; Connector	DC
Lens Mount	Built-in DC Auto IRIS Lens
Lens, Angle of View (H)	f3.0~10mm/F1.3 Aspherical Megapixel Varifocal D/N Lens/95.6°~28.8°
Water Resistance	IP66
Max. Breaking Strength	656.1 Kg
Power Supply ; Consumption	Standard:12Vdc, Option:12Vdc/24Vac, PoC (Power over Cable) ; 9W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	140(DIA)x112(H)mm
Net Weight	1,000g
Accessories Option	Bracket:MTB-413, MTB-504 ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

*Specifications are unfixed and do not apply to customized projects. 120301

3-axis Cable
Management

FEATURES

- HD 1280x720P@50/60fps (HD-SDI) Infrared Camera
- 1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 0.00Lux (IR LEDs on at 2 Lux)
- Simultaneous Video Output: SDI / Composite BNC
- Multi-Language OSD Control
- OSD Control / by Coaxial Control
- Fog Reduction & 2D/3D Noise Reduction & Sense Up Functions
- Shutter Mode (AUTO / MANUAL)
- Mechanical IR Cut Filter (ICR)
- RS-485x1, Dlx1, DOx1 / **Option: PoC**



OPTION
Pole Mount
MTB-414S



Cable with OSD button

OPTION
SDI Receiver
without PoC



OPTION
SDI Receiver
with PoC



Tol:±0.5 Unit:mm

SPECIFICATIONS

	SSC-WDL2141DN
Video System	PAL / NTSC Selectable
Image Sensor	1/3" Sony 1.3 Megapixel Progressive Exmor™ CMOS Sensor
Resolution	1280(H)x720(V)
Frame Rates	1280x720P@50/60fps, Adjustable to 1280x720P@25/30fps
SDI Standards	HD-SDI (SMPTE 292M)
Minimum Illumination	0.00Lux
Digital Wide Dynamic Range	128x Normal Camera
Digital Video Output	BNC connector (SDI) x1
Analog Video Output	BNC connector (1.0Vp-p Composite, 75Ω) x1
Audio	NA
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)
IR LED ; Working Distance	30 units (6 Pcs HP Reflection LEDs) (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 20~40m
OSD Menu	OSD Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO
Muti-Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable Manual Shutter: 1/30, 1/50(60), 1/100(120), 1/150(180), 1/200(240), 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/2,000, 1/3,000, 1/4,000, 1/10,000 sec.
Automatic Gain Control	128 Levels (Adjustable Level Settings)
White Balance	ATW / AWB / MANUAL / PUSH LOCK
WDR ; BLC	WDR / BLC / OFF
Fog Reduction	CONTRAST (0~15), BACKLIGHT (0~7)
Flickerless	PAL 50Hz / NTSC 60Hz / OFF
Dynamic Noise Reduction	2D / 3D
Sense Up	ON (2~32X) / OFF
Language	ENGLISH / JAPANESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE (Option Not Changeable)
I/O Connector	NA
Automatic IRIS ; Connector	DC
Lens Mount	Built-in DC Auto IRIS Lens
Lens, Angle of View (H)	f3.8~9.5mm/F1.2 Aspherical Varifocal D/N Lens/74.2°~30.0°, Option:f9.0~22.0mm/F1.4/29.2°~13.0°
Water Resistance	IP66
Max. Breaking Strength	NA
Power Supply ; Consumption	Standard:12Vdc, Option:PoC (Power over Cable) ; 9W
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	93(DIA)x163(D)mm
Net Weight	1,000g
Accessories Option	Pole Bracket:MTB-414S ; SDI Receiver:SSD-RX010, SSD-RX010N, SSD-RX011, SSD-RX011N

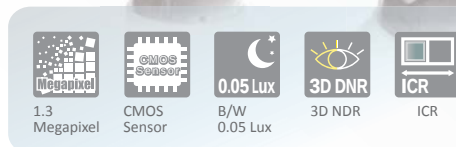
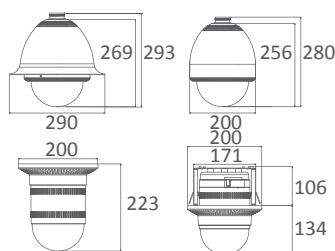
*Specifications are unfixed and do not apply to customized projects. 120301

SSC-HS91IR22DN, SSC-HS82IR22DN SSC-HS81IR22DNC, SSC-HS81IR22DNS

FEATURES

Outdoor, Indoor

- HD 1280x720P@30fps (HD-SDI) Speed Dome Camera
- 1/3" 1.3 Megapixel CMOS Sensor
- Color:0.1Lux@F1.6, B/W:0.05Lux@F1.6, Sense-up:0.0001Lux@F1.6
- Optical 22x, Digital 16x, Total 352x
- Auto Focus & Auto IRIS Zoom Lens
- Simultaneous Video Output:SDI / Composite BNC
- OSD by RS485 Remote Control / by Coaxial Control
- Powerful 128x WDR & Anti-Headlight (HLC) & Digital Image Stabilizer (DIS)
- Fog Reduction & 3D Noise Reduction & Sense Up Functions



SPECIFICATIONS

Tol:±0.5 Unit:mm

	SSC-HS91IR22DN / SSC-HS82IR22DN / SSC-HS81IR22DNC / SSC-HS81IR22DNS
Video System	PAL / NTSC Selectable
Image Sensor	1/3" 1.3 Megapixel CMOS Sensor
Resolution	1280(H)x720(V)
Frame Rates	1280x720P@30fps(SDI) ; Adjustable to 1920x1080P@30fps, 1280x720P@60fps
SDI Standards	HD-SDI (SMPTE 292M)
Minimum Illumination	Color(ICR off):0.1Lux@F1.6, B/W(ICR on):0.05Lux@F1.6, Sense-up(ICR on):0.0001Lux@F1.6
Wide Dynamic Range	128x Normal Camera
Digital Video Output	Gold-plated BNC connector x1 (SDI)
Analog Video Output	BNC connector x1 (1.0Vp-p Composite, 75Ω)
Audio	NA
Mechanical IR Cut Filter	Automatically Switches (Switching Lux Level can be adjusted)
IR LED ; Working Distance	Compatible with Infrared Illuminator
OSD Menu	OSD by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO
Electronic Shutter	AUTO: 1/50(60)~1/120,000 sec. MANUAL: OFF(1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/120,000 sec.
Auto Gain Control	0~42dB
White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR
WDR ; BLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF
Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF
Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)
Sense Up	OFF / ON (x2~x256)
Digital Image Stabilizer	ON / ACTIVE / OFF
Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE
E-Zoom	x2~x16(Optical 22x, Digital 16x, Total 352x) / OFF
Picture Effects	NEGATIVE / SHARPNESS / MIRROR
Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)
Motion Detection	SIMPLE / TRACE / IN-OUT / OFF
I/O Connector	RS-485(Pelco-D/P)x1 / DIx1 / DOx1
Controls	PAN / TILT, LENS
Auto Pan	Yes
Tour Pattern	1 Group (accommodates preset #1~#10)
Home Function	Yes
System Memory	Yes
Panning Range & Speed	360°Continuous ; 0.2°~240°/sec.
Tilt Range & Speed	0°~90° ; 0.2°~120°/sec.
Pan, Tilt Accuracy	±0.02°
Preset Positions	255 Positions
Lens	22x Optical Zoom f4.7mm(Wide)~103mm(Tele), F1.6 to F3.2
Angle of View	H:58.16°(Wide)~2.9°(Tele)/V:34.31°(Wide)~1.64°(Tele)
Minimum Working Distance	0.1m
Focusing System	AUTO / MANUAL / PUSHAF
Water Resistance	SSC-HS91IR22DN:IP66, SSC-HS82IR22DN:IP66
Power Supply ; Consumption	24Vdc / 24Vac
Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	290x293mm / 200x280mm / 200x223mm / 200x134mm
Net Weight	4.05kg / 3.35kg / 2.55kg / 2.8kg
Accessories Option	MTB-901A, MTB-901B, MTB-902, MTB-904, MTB-905

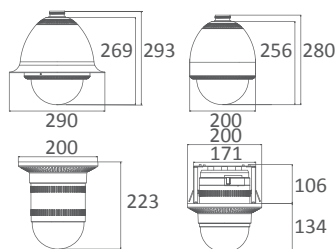
*Specifications are unfixed and do not apply to customized projects. 120301

SSC-HS91IR12DN, SSC-HS82IR12DN SSC-HS81IR12DNC, SSC-HS81IR12DNS

FEATURES

Outdoor, Indoor

- HD 1280x720P@30fps (HD-SDI) Speed Dome Camera
- 1/3" 1.3 Megapixel CMOS Sensor
- Color:0.1Lux@F1.8, B/W:0.05Lux@F1.8, Sense-up:0.0001Lux@F1.8
- Optical 12x, Digital 16x, Total 192x
- Auto Focus & Auto IRIS Zoom Lens
- Simultaneous Video Output:SDI / Composite BNC
- OSD by RS485 Remote Control / by Coaxial Control
- Powerful 128x WDR & Anti-Headlight (HLC) & Digital Image Stabilizer (DIS)
- Fog Reduction & 3D Noise Reduction & Sense Up Functions

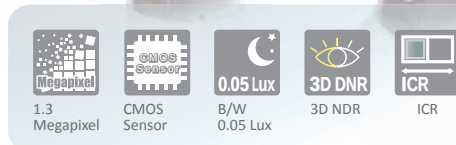


SSC-HS91IR12DN

SSC-HS82IR12DN

SSC-HS81IR12DNC

SSC-HS81IR12DNS



SPECIFICATIONS

Tol:±0.5 Unit:mm

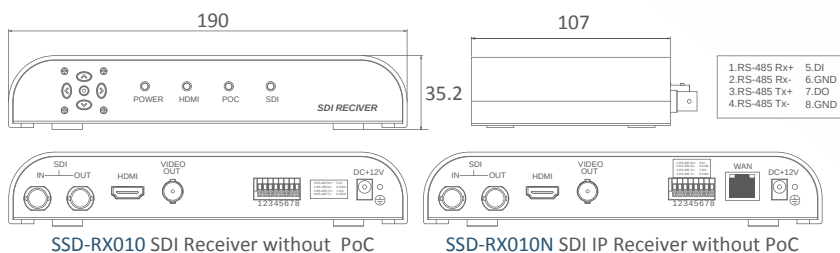
	SSC-HS91IR12DN / SSC-HS82IR12DN / SSC-HS81IR12DNC / SSC-HS81IR12DNS
Video System	PAL / NTSC Selectable
Image Sensor	1/3" 1.3 Megapixel CMOS Sensor
Resolution	1280(H)x720(V)
Frame Rates	1280x720P@30fps(SDI) ; Adjustable to 1920x1080P@30fps, 1280x720P@60fps
SDI Standards	HD-SDI (SMPTE 292M)
Minimum Illumination	Color(ICR off):0.1Lux@F1.8, B/W(ICR on):0.05Lux@F1.8, Sense-up(ICR on):0.0001Lux@F1.8
Wide Dynamic Range	128x Normal Camera
Digital Video Output	Gold-plated BNC connector x1 (SDI)
Analog Video Output	BNC connector x1 (1.0Vp-p Composite, 75Ω)
Audio	NA
Mechanical IR Cut Filter	Automatically Switches (Switching Lux Level can be adjusted)
IR LED ; Working Distance	Compatible with Infrared Illuminator
OSD Menu	OSD by RS485 Remote Control / by Coaxial Control
Digital Day&Night Mode	COLOR / B&W / AUTO
Electronic Shutter	AUTO: 1/50(60)~1/120,000 sec. MANUAL: OFF(1/50(60)), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/120,000 sec.
Auto Gain Control	0~42dB
White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR
WDR ; BLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF
Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF
Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)
Sense Up	OFF / ON (x2~x256)
Digital Image Stabilizer	ON / ACTIVE / OFF
Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE
E-Zoom	x2~x16(Optical 12x, Digital 16x, Total 192x) / OFF
Picture Effects	NEGATIVE / SHARPNESS / MIRROR
Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)
Motion Detection	SIMPLE / TRACE / IN-OUT / OFF
I/O Connector	RS-485(Pelco-D/P)x1 / DIx1 / DOx1
Controls	PAN / TILT, LENS
Auto Pan	Yes
Tour Pattern	1 Group (accommodates preset #1~#10)
Home Function	Yes
System Memory	Yes
Panning Range & Speed	360°Continuous ; 0.2°~240°/sec.
Tilt Range & Speed	0°~90° ; 0.2°~120°/sec.
Pan, Tilt Accuracy	±0.02°
Preset Positions	255 Positions
Lens	12x Optical Zoom f5.2mm(Wide)~62.4mm(Tele), F1.8 to F3.0
Angle of View	H:51°(Wide)~4.64°(Tele)/V:38.3°(Wide)~3.48°(Tele)
Minimum Working Distance	0.1m
Focusing System	AUTO / MANUAL / PUSHAF
Water Resistance	SSC-HS91IR12DN:IP66, SSC-HS82IR12DN:IP66
Power Supply ; Consumption	24Vdc / 24Vac
Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%
Dimensions	290x293mm / 200x280mm / 200x223mm / 200x134mm
Net Weight	4.05kg / 3.35kg / 2.55kg / 2.8kg
Accessories Option	MTB-901A, MTB-901B, MTB-902, MTB-904, MTB-905

*Specifications are unfixed and do not apply to customized projects. 120301

FEATURES

Include Key Pad Function

- SDI Standards 3G-SDI (SMPTE 424M) & HD-SDI(SMPTE 292M)
- Real-time High Quality Digital Video Transmission ; OSD Control
- Support 3G-SDI (SMPTE 424M), HD-SDI (SMPTE 292M)
- Gold-plated BNC connector (SDI, Input) x1, Gold-plated BNC connector (SDI, Output) x1
- Support SDI: Full HD 1080P/HD 720P@25/30/50/60fps, HD 1080i@50/60fps
- Support HDMI: Full HD 1080P@25/30/50/60fps, HD 720P@25/30/50/60fps
- Coaxitron Technology, Coaxial Cable Video & Control Transmission
- SSD-RX010N with Network Function



SSD-RX010 SDI Receiver without PoC

SSD-RX010N SDI IP Receiver without PoC

SSD-RX010
SDI Receiver
without PoCSSD-RX010N
SDI IP Receiver
without PoC

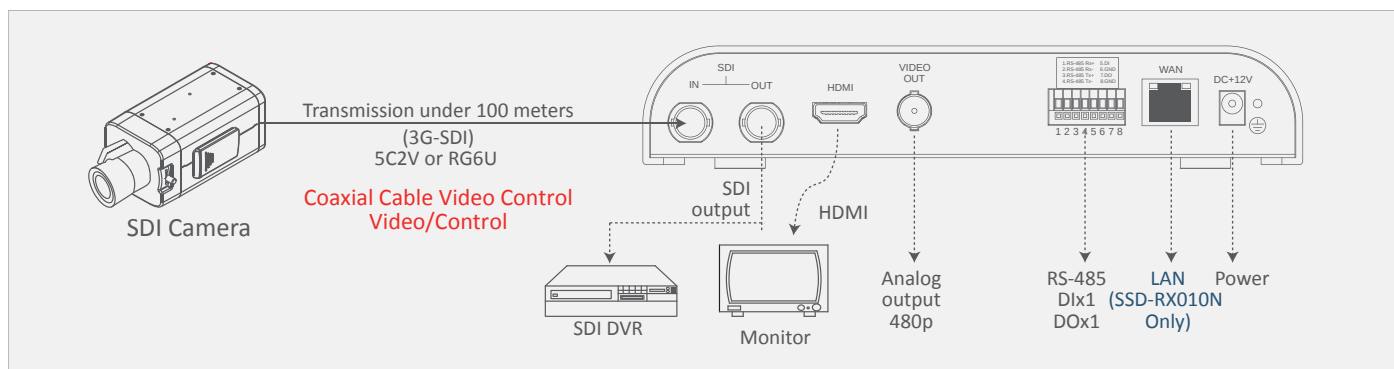
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SPECIFICATIONS

	SSD-RX010	SSD-RX010N
SDI Standards	3G-SDI (SMPTE 424M), HD-SDI (SMPTE 292M)	
Cable Transmission	100 meter (Recommend 5C2V or RG6U Cable)	
SDI Input	Gold-plated BNC connector (SDI, Input) x1	
Coaxitron Technology	Video / Control	
SDI Resolution	Full HD 1080P@25/30/50/60fps, HD 1080i@50/60fps, HD 720P@25/30/50/60fps	
SDI Output	Gold-plated BNC connector (SDI, Output) x1	
HDMI Output	Full HD 1080P@25/30/50/60fps, HD 720P@25/30/50/60fps	
Analog Video Output	HDMI(1.3a)Type A connector (Output) x1	
HDMI Resolution	BNC connector (1.0Vp-p Composite, 75Ω) x1	
Audio Input	NA	
Audio Output	NA	
RS-485 Input	RS-485 +/-	
RS-485 Output	RS-485 +/-	
DI/DO	DIx1 / DOx1	
Ethernet	NA	10/100M Auto Negotiation
Video compression	NA	H.264, MPEG4, M-JPEG
H.264	NA	H.264 HighProfile
Bit Rate Transmission	NA	1920x1080/1280x1024/1280x960/1280x720@30fps
Power Supply	12Vdc ; 3.6W	12Vdc ; 5.4W
Operating ; Storage Temp.	Silver, 190(W)x35.2(H)x107(L)mm	
Operation ; Storage Humidity	-10°C~50°C ; -20°C~60°C	
Dimensions	Maximum: RH80% ; RH90%	
Net Weight	490g	520g

*Specifications are unfixed and do not apply to customized projects. 120301

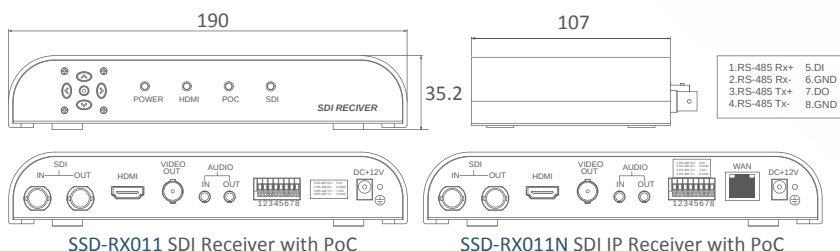
SYSTEM APPLICATIONS



FEATURES

Include Key Pad Function

- SDI Standards 3G-SDI (SMPTE 424M) & HD-SDI(SMPTE 292M)
- Real-time High Quality Digital Video Transmission ; OSD Control
- Support 3G-SDI (SMPTE 424M), HD-SDI (SMPTE 292M)
- Gold-plated BNC connector (SDI, Input) x1, Gold-plated BNC connector (SDI, Output) x1
- Support SDI: Full HD 1080P/HD 720P@25/30/50/60fps, HD 1080i@50/60fps
- Support HDMI: Full HD 1080P@25/30/50/60fps, HD 720P@25/30/50/60fps
- Exclusive One Cable Technology, One Cable Transmission(Video/Audio/Power/Control)
- SSD-RX011N with Network Function



SSD-RX011
SDI Receiver
with PoC

SSD-RX011N
SDI IP Receiver
with PoC



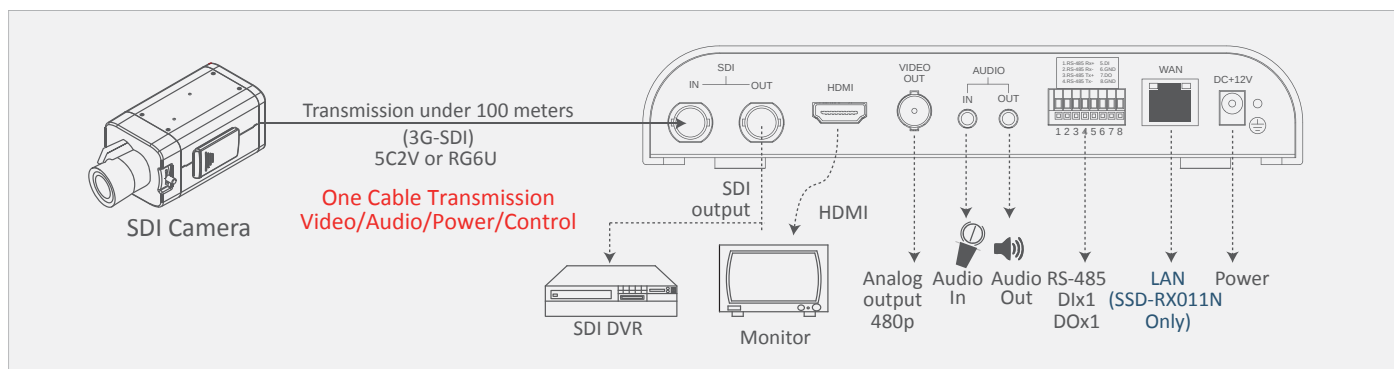
SPECIFICATIONS

Tol:±0.5 Unit:mm

	SSD-RX011	SSD-RX011N
SDI Standards	3G-SDI (SMPTE 424M), HD-SDI (SMPTE 292M)	
Cable Transmission	100 meter (Recommend 5C2V or RG6U Cable)	
SDI Input	Gold-plated BNC connector (SDI, Input) x1	
One Cable Technology	Video/Audio/Power/Control	
SDI Resolution	Full HD 1080P@25/30/50/60fps, HD 1080i@50/60fps, HD 720P@25/30/50/60fps	
SDI Output	Gold-plated BNC connector (SDI, Output) x1	
HDMI Output	Full HD 1080P@25/30/50/60fps, HD 720P@25/30/50/60fps	
Analog Video Output	HDMI(1.3a)Type A connector (Output) x1	
HDMI Resolution	BNC connector (1.0Vp-p Composite, 75Ω) x1	
Audio Input	Audio In (3.5mm) x1	
Audio Output	Audio out (3.5mm) x1	
RS-485 Input	RS-485 +/-	
RS-485 Output	RS-485 +/-	
DI/DO	DIx1 / DOx1	
Ethernet	NA	10/100M Auto Negotiation
Video compression	NA	H.264, MPEG4, M-JPEG
H.264	NA	H.264 HighProfile
Bit Rate Transmission	NA	1920x1080/1280x1024/1280x960/1280x720@30fps
Power Supply	12Vdc ; 3.6W (Enable PoC: Max.13.6W)	12Vdc ; 5.4W (Enable PoC: Max.15.4W)
Operating ; Storage Temp.	Black, 190(W)x35.2(H)x107(L)mm	
Operation ; Storage Humidity	-10°C~50°C ; -20°C~60°C	
Dimensions	Maximum: RH80% ; RH90%	
Net Weight	490g	520g

*Specifications are unfixed and do not apply to customized projects. 120301

SYSTEM APPLICATIONS





FEATURES

- Both of HD-CCTV Megapixel Video Inputs and Analog Video Inputs
- Choose 720p or 1080p HD resolution recording for HD-CCTV Video Inputs up to 30 FPS/camera
- H.264 Compression format to minimize optimize disk space consumption
- Dual streaming to optimize remote viewing bandwidth utilization
- Real time recording rate and playback rate
- Multiple Main Monitors : HDMI 1080p / VGA (1920x1080) output for stunning image clarity
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- User friendly GUI with graphical icons and visual indicators
- Supports eSATA external HDD
- Supports remote/mobile monitoring via PC browsers, Smartphones and iPhone/Android apps
- Multiple Control Inputs: mouse/front panel/ IR remote control/keyboard
- Express Setup: A unique menu option for quick & easy installation and setup
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Archive: Archive video instantly (to USB) while playing back
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Review recorded video to identify motion in area(s) of interest
- Remote configuration support from built-in web interface
- Gigabit Ethernet interface for remote network viewing and controlling
- Audio recording capabilities
- 4 internal HDDs
- Built-in DVD burner
- 2 USB 2.0 ports for video archive and mouse usage
- Multi-language support

- Watermark capabilities to identify intentional modifications of recorded data
- Recording resolution and rate can be set independently for each camera, and changed via user defined schedule
- USB Mouse and IR remote control included
- 19" Rack mountable – rack ears included

SPECIFICATIONS

Tol:±0.5 Unit:mm

SSR-ST1004A04		
HD-CCTV Camera Inputs		4 BNC SMPTE292m compliant
Analog Camera Inputs		4 BNC
Looping Analog Camera Outputs		4 BNC
Compression Format		H.264
Dual Streaming		Yes (Configurable)
HD Recording Rate/ Resolution	1080P	60fps NTSC / 50fps PAL
Choose on resolution for both channels	720P	120fps NTSC / 100fps PAL
Analog Recording Rate/Resolution		
Resolution and rate can be set independently per	D1	120fps NTSC / 100fps PAL
Camera up to the total D1 recording capacity		
HD Playback Rate/ Resolution	1080P	Up to 45fps NTSC / 37.5fps PAL
	720P	Up to 90fps NTSC / 75fps PAL
Analog Playback Rate/Resolution	D1	Up to 120fps NTSC / 100fps PAL
Pentaplex Operation		Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Main Monitor Outputs		1080p HDMI (socket Type A 19 pin female) and
(Simultaneous Display)		VGA 1920 x 1080 @60 Hz (D-Sub socket 15 pin female)
Audio Inputs		8 Inputs (RCA, line level)
Audio Outputs		2 Outputs (RCA, line level)
Recording Modes		Manual, Schedule and Event
Playback Serch		Date/Time, Event, Tex, Smart, Snapshot
Alarm Inputs		8
Alarm Outpuuts		4 Alarm Outputs - Form "C" rated at 30VDC, 1A
Video Pause		Yes
Video Loss Detection		Yes
Motion Detection		Yes
Event Log		Yes
Watch Dog Timer		Yes
Internal HDD Support		4 Internal HDD (upto 8Tb max at time of printing)
External HDD Support		1 eSATA
DVD Drive		DVD RW Built In
User Interface		Color GUI (Graphical User Interface)
OS		Embedded Linux
Network/Protocol		Gigabit Ethernet ; TCP-IP / DHCP / PPPoE / DDNS / UDP / SMTP / SSL / HTTP / NTP / ICMP / ARP
Control PTZ via OSD		Local and Via web interface
USB		2 Front Panel USB 2.0 Port
Schedule Setting		Support Express and Advanced Schedule Setting
User Access		3 Levels of User Access Support
RS-232		9-pin D-Sub socket (maile)
RS-485		1 RS485 (2 RJ45 Connector)
Power Source		100VAC~240VAC
Power Consumption		110W max,. with 4 x HDD
Dimensions (L x W x H)		395 x 430 x 79.5 mm / 15.6" x 16.9" x 3.2"
Temperature		0°C~40°C / 32°F~104°F (20~80% humidity)
Cetificates		CE, FCC, UL
Supported PTZ Protocols		EverFocus, Pelco D, Pelco P, Samsung, Transparent

*Specifications are unfixed and do not apply to customized projects. 120301

SDI Repeater
3G-SDI Splitter (1 to 4)

- SSD-RP101
- SSD-SP104

SDI Repeater

Model	SSD-RP101
SDI Standards	Support(SMPTE 292M)HD-SDI & (SMPTE 424M)3G-SDI
Video Signal Input	1x BNC connector
Video Signal Output	1x BNC connector
Cable Transmission	140 Meter (RG6/U)
Power Inputs (Adapter)	DC 6~12V
Power Inputs (P.O.C)	NA
One Cable System technology	Video
Operation ; Storage Temp	-10°C~50°C ; -20°C~60°C
Operation ; Storage Humidity	Maximum: RH80% ; RH90%



SSD-RP101

3G-SDI Splitter (1 to 4)

Model	SSD-SP104
SDI Standards	SDI / HD-SDI / 3G-SDI
Input/Output	One SDI Input to four SDI outputs
	For SDI video splitter only
	Four separately buffered outputs
Supports HD formats	720p24, 25, 30, 50 & 60, 1080i50 & 60, 1080p24, 25, 30, 50 & 60



SSD-SP104

*Specifications are unfixed and do not apply to customized projects. 120301

USB Keyboard Control
Megapixel Lens
HDMI Cable
Power Supply

- MCU-PTZ071
- SHV-3M2812DAI [3M], SHV-3M04NI [3M], SHV-2M2812DAI [2M]
- HDMI-030RG/MM
- ADA-12150, ADA-12151, ADA-12152

USB Keyboard Control

Model	MCU-PTZ071
Material	Housing : Metal Function Buttons : ABS
Deflection	X axis : $\pm 25^{\circ} \sim 30^{\circ}$; Y axis : $\pm 25^{\circ} \sim 30^{\circ}$; Z axis : $\pm 45^{\circ}$
Centering	X/Y/Z 3 axis auto coordinate orientation
Storage Temperature	-20°C~70°C
Function Buttons	12 Keys and 3D Joystick
Operation Temperature	0~50°C
Interface	USB1.1
Power Supply	Via USB Interface (5V DC)
Dimensions	160(W)x180(D)x93(H)mm
Weight	820g



MCU-PTZ071

3.0 Megapixel IR Auto IRIS Lens

Model	SHV-3M2812DAI
Focus (mm)	2.8~12
Aperture (F)	1.4
Mount	CS-Mount
Format	1/3"
Hor. Angle of View (H)	1/3", 23.26°~100.02°
M.O.D	1.5 meter
Remark	IR DC Auto IRIS



SHV-3M2812DAI

3.0 Megapixel IR Fixed Lens

Model	SHV-3M04NI
Focus (mm)	4
Aperture (F)	1.6
Mount	CS-Mount
Format	1/2.8"
Hor. Angle of View (H)	1/2.8", 73.6°
M.O.D	0.5 meter
Remark	Manual IRIS (Day & Night)

2.0 Megapixel IR Auto IRIS Lens

Model	SHV-2M2812DAI
Focus (mm)	2.8~12
Aperture (F)	1.2
Mount	CS-Mount
Format	1/2.7"
Hor. Angle of View (H)	1/2.7", 29.1°~139.1°
M.O.D	1.5 meter
Remark	IR DC Auto IRIS (Day & Night)



SHV-3M04NI



SHV-2M2812DAI

HDMI Cable

Model	HDMI-030RG/MM
Cable Type:	Round Type
Connector Type:	HDMI male to HDMI male
Connector Pin Number:	19pin to 19pin
Connector Material:	Gold Plated, Molding Type
Supported Resolution:	Standard Video Resolutions
Cable Length:	3.0 m
Color:	Black



HDMI-030RG/MM

Switch Power Supply (AC to DC)

Model	ADA-12150	ADA-12151	ADA-12152
AC Input Voltage (Vac)	100~240	100~240	100~240
AC Input Frequency (Hz)	50~60	50~60	50~60
AC Input Current (A)	0.5 (Max.)	0.5 (Max.)	0.5 (Max.)
DC Output Voltage (Vdc)	12 (±5%)	12 (±5%)	12 (±5%)
DC Output Current (A)	1.5	1.5	1.5
Dimension (mm)	45x70x30 (Without Plug)	45x70x30 (Without Plug)	45x70x30 (Without Plug)
Application (Country)	USA, Japan, Taiwan, etc.	Germany, Europe, etc.	UK, the Middle East, etc.



USA, JP

Europe

UK

*Specifications are unfixed and do not apply to customized projects. 120301

SHANY
THE ELITE OF CCTV

Analog Camera

Speed Dome series

Customer-oriented innovation



- > 36x SpeedDome Camera C02~C02
- > 36x AF Zoom Camera Module C03~C03
- > Speed Dome Camera Controller C04~C04

610TVL WDR Analog Speed Dome Camera (36X)

MZC-WD91IR36DN, MZC-WD82IR36DN
MZC-WD81IR36DNC, MZC-WD81IR36DNS

MZC-WD91IR36DN, MZC-WD82IR36DN, MZC-WD81IR36DNC, MZC-WD81IR36DNS



FEATURES



Mechanical IR Cut Filter (ICR)



MZC-WD91IR36DN



MZC-WD82IR36DN



MZC-WD81IR36DNC



MZC-WD81IR36DNS

Option:



MTB-901A, MTB-901B
Ceiling Mount



MTB-902
Wall Mount



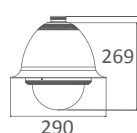
MTB-904
Corner Mount



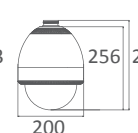
MTB-905
Pole Mount

MZC-WD91IR36DN, MZC-WD82IR36DN
MZC-WD81IR36DNC, MZC-WD81IR36DNS

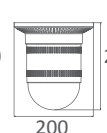
- 36x D/N Speed Dome Camera
- 1/4" Sony CCD Sensor ; 610TVL
- Color:0.1Lux@F1.6, B/W:0.05Lux@F1.6, Sense-up:0.0001Lux@F1.6
- Optical 36x, Digital 16x, Total 576x
- Auto Focus & Auto IRIS Zoom Lens
- Powerful 128x WDR
- Multi-language OSD Setting Menu
- Anti-Headlight (HLC) & Fog Reduction
- Digital Image Stabilizer (DIS)
- 3D Noise Reduction & Sense Up (256x) Functions
- Privacy Mask & Motion Detection Function
- 255 Preset Points
- Auto Restore System after Power Failure



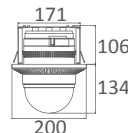
269 293 290



256 280 200



223 200



171 106 134 200

Tol:±0.5 Unit:mm

SPECIFICATIONS

	MZC-WD91IR36DN / MZC-WD82IR36DN	MZC-WD81IR36DNC / MZC-WD81IR36DNS
TV System	PAL	NTSC
Image Sensor	1/4" Sony 760H Super HAD CCD II	
Number of Total Pixels	795(H)x596(V)	811(H)x508(V)
Resolution	610TVL	
Minimum Illumination	Color(ICR off):0.1Lux@F1.6, B/W(ICR on):0.05Lux@F1.6, Sense-up(ICR on):0.0001Lux@F1.6	
Wide Dynamic Range	128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Mechanical IR Cut Filter (ICR)	Automatically Switches (Switching Lux Level can be adjusted) or Compatible with Infrared Illuminator	
Menu	OSD by RS485 Control	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO: 1/50(60)~1/120,000 sec. MANUAL: OFF(1/50(60)), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/120,000 sec.	
Auto Gain Control	0~42dB	
White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR	
WDR ; BLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF	
Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF	
Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)	
Sense Up	OFF / ON (x2~x256)	
Digital Image Stabilizer	ON / ACTIVE / OFF	
Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE	
E-Zoom	x2~x16(Optical 36x, Digital 16x, Total 576x) / OFF	
Picture Effects	NEGATIVE / SHARPNESS / MIRROR	
Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)	
Motion Detection	SIMPLE / TRACE / IN-OUT / OFF	
Camera Control Interface	Pelco D / Pelco P	
Controls	PAN / TILT, LENS	
Auto Pan	Yes	
Tour Pattern	1 Group (accommodates preset #1~#10)	
Home Function	Yes	
System Memory	Yes	
Panning Range & Speed	360°Continuous ; 0.2°~240°/sec.	
Tilt Range & Speed	0°~90° ; 0.2°~120°/sec.	
Pan, Tilt Accuracy	±0.02°	
Preset Positions	255 Positions	
Lens	36x Optical Zoom f3.4mm(Wide)~122.4mm(Tele), F1.6 to F4.5	
Angle of View	H:57.8°(Wide)~1.7°(Tele)/V:43.7°(Wide)~1.3°(Tele)	
Minimum Working Distance	0.1m	
Focusing System	AUTO / MANUAL / PUSHAF	
Water Resistance	MZC-WD91IR36DN:IP66, MZC-WD82IR36DN:IP66	
Power Supply ; Consumption	24Vdc / 24Vac	
Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	290x293mm / 200x280mm / 200x223mm / 200x134mm	
Net Weight	4.05kg / 3.35kg / 2.55kg / 2.8kg	
Accessories Option	MTB-901A, MTB-901B, MTB-902, MTB-904, MTB-905	

*Specifications are unfixed and do not apply to customized projects. 120301

D1 Analog 36x AF Zoom Camera Module (610TVL)

MZC-WD1036H

MZC-WD1036H



FEATURES

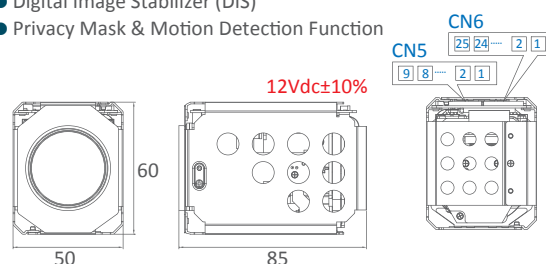


Mechanical IR Cut Filter (ICR)



MZC-WD1036H

- 36x D/N Zoom Camera Module
- 1/4" Sony CCD Sensor ; 610TVL
- Color:0.1Lux@F1.6, B/W:0.05Lux@F1.6, Sense-up:0.0001Lux@F1.6
- Optical 36x, Digital 16x, Total 576x
- Auto Focus & Auto IRIS Zoom Lens
- Powerful 128x WDR
- Multi-language OSD Setting Menu
- Anti-Headlight (HLC)
- Fog Reduction
- Digital Image Stabilizer (DIS)
- Privacy Mask & Motion Detection Function



Tol:±0.5 Unit:mm

SPECIFICATIONS

MZC-WD1036H			
TV System	PAL		NTSC
Image Sensor	1/4" Sony 760H Super HAD CCD II		
Number of Total Pixels	795(H)x596(V)		811(H)x508(V)
Resolution	610TVL		
Minimum Illumination	Color(ICR off):0.1Lux@F1.6, B/W(ICR on):0.05Lux@F1.6, Sense-up(ICR on):0.0001Lux@F1.6		
Wide Dynamic Range	128x Normal Camera		
Video Output	1.0Vp-p Composite, 75Ω (CVBS)		
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)		
Mechanical IR Cut Filter (ICR)	Automatically Switches (Switching Lux Level can be adjusted) or Compatible with Infrared Illuminator		
Menu	OSD Control / by Remote Control		
Digital Day&Night Mode	COLOR / B&W / AUTO		
Electronic Shutter	AUTO: 1/50(60)~1/120,000 sec. MANUAL: OFF(1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/120,000 sec.		
Auto Gain Control	0~42dB		
White Balance	ATW1 / ATW2 / AWC / MANUAL / INDOOR / OUTDOOR		
WDR ; BLC	HIGH / MIDDLE / LOW / OFF ; ON / HLC / OFF		
Fog Reduction	AUTO / HIGH / MIDDLE / LOW / OFF		
Dynamic Noise Reduction	3D (HIGH / MIDDLE / LOW)		
Sense Up	OFF / ON (x2~x256)		
Digital Image Stabilizer	ON / ACTIVE / OFF		
Language	ENGLISH / SIMPLIFIED CHINESE / JAPANESE		
E-Zoom	x2~x16(Optical 36x, Digital 16x, Total 576x) / OFF		
Picture Effects	NEGATIVE / SHARPNESS / MIRROR		
Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)		
Motion Detection	SIMPLE / TRACE / IN-OUT / OFF		
Camera Control Interface	Pelco D / Pelco P / SHANY-H		
Lens	36x Optical Zoom f3.4mm(Wide)~122.4mm(Tele), F1.6 to F4.5		
Angle of View	H:57.8°(Wide)~1.7°(Tele)/V:43.7°(Wide)~1.3°(Tele)		
Minimum Working Distance	0.1m		
Focusing System	AUTO / MANUAL / PUSHAF		
Power Supply ; Consumption	12Vdc±10% ; 1.5W (Motor Inactive), 2.0W (Motor Active)		
Operation ; Storage Temp.	-10°C ~ 50°C ; -20°C ~ 60°C		
Operation ; Storage Humidity	Maximum:RH80% ; RH90%		
Dimensions	50(W)x60(H)x85(L)mm		
Net Weight	230g		
Accessories Option	NA		

*Specifications are unfixed and do not apply to customized projects. 120301

Speed Dome Camera Controller

MCU-PTZ071

(USB Controller)

◆ Material	Housing : Metal Function Buttons : ABS
◆ Deflection	X axis : $\pm 25^{\circ} \sim 30^{\circ}$ Y axis : $\pm 25^{\circ} \sim 30^{\circ}$ Z axis : $\pm 45^{\circ}$
◆ Centering	X/Y/Z 3 axis auto coordinate orientation
◆ Storage Temperature	-20°C+70°C
◆ Function Buttons	12 Keys and 3D Joystick
◆ Operation Temperature	0~40°C
◆ Interface	USB1.1
◆ Power Supply	Via USB Interface (5V DC)
◆ Dimensions	160(W)x180(D)x93(H)mm
◆ Weight	820g



MCU-PTZ091

(3D Controller)

◆ Power Supply	12Vdc
◆ Power Consumption	3W
◆ Function Display	LCD
◆ Lock Function	Panel Lock, Power-On Password Lock
◆ Keys and Joystick	Number Keys: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 3-Axis Joystick Control (PAN, TILT, ZOOM +/-, Speed Change)
◆ Protocol	Baud Rate: 1200 / 2400 / 4800 / 9600 Stop Bit: 1, Data Bit: 1, Parity: None
◆ Communication Protocol	Pelco P Type / D Type
◆ Communication Port	RS485
◆ Communication Distance	1 KM
◆ Maximum Camera Address	256
◆ Power Connection	2.1Φ DC JACK inner ⊕ outer ⊖
◆ Dimensions (WxHxD)	270(W)x178(D)x60(H)mm
◆ Operation Temperature	0°C~40°C
◆ Operation Humidity	Maximum:RH90%
◆ Weight	1500g



Joystick & Lens Control
Keypad Unit Exchangeable

*Specifications are unfixed and do not apply to customized projects. 120301

SHANY
THE ELITE OF CCTV

Analog Camera

WDR Camera series

Customer-oriented innovation



> Hyper Wide Dynamic Camera (WDR III)

D01~D10

> Hyper Wide Dynamic Camera (WDR II)

D11~D14

Hyper Wide Dynamic Box Camera (Effio WDR III)

MTC-WD116EF
MTC-WD116MEF

MTC-WD116EF, MTC-WD116MEF



FEATURES



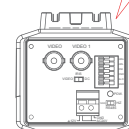
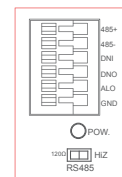
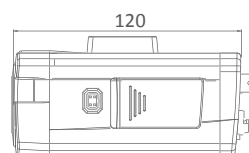
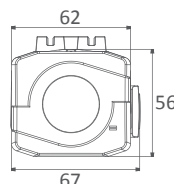
Mechanical IR Cut Filter (ICR)

MTC-WD116MEF

Sony Effio WDR III
680TVL

MTC-WD116EF, MTC-WD116MEF

- ◆1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆Color:680TVL, B/W:700TVL
- ◆Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆Powerful 1024X WDR (60dB)
- ◆Multi-Language OSD Control / RS485 Control
- ◆196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆Fog Reduction ; High Light Compensation (HLC)
- ◆Digital Image Stabilizer (DIS)
- ◆2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆E-zoom Function (1~256x)
- ◆Motion Detection Function ; Mosaic Privacy Mask
- ◆Timer Clock



12Vdc/24Vac

Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WD116EF		MTC-WD116MEF		
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H Double-speed (Double-density) CCD			
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio-P (WDR III)			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up:0.0001Lux@F1.2			
Wide Dynamic Range	1024x Normal Camera (60dB)			
Video Output	1.0Vp-p Composite, 75Ω (BNCx2)			
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level can be adjusted)		
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator		
Menu	OSD Control or by RS485 Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)			
Digital Day&Night Mode	COLOR / B&W / AUTO / EXT			
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps , 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... ,1/1980, 1/1990, 1/2000 sec.			
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)			
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR			
WDR ; BLC ; Fog Reduction	WDR / BLC / FOG /OFF			
High Light Compensation	ON / OFF / AUTO			
Digital Image Stabilizer (DIS)	ON / OFF			
Dynamic Noise Reduction	3D / 2D			
Sense Up	AUTO (Limit x2~x512) / OFF			
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE			
Image Setting	SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR			
E-Zoom	x1~x256, Pan / Tilt Adjustable			
Motion Detection ; Privacy	ON / OFF (24x16 Zones, Alarm) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)			
Timer Clock	Year/Month/Date, Hour/Minute/Second			
Camera Control Interface	RS485 Interface OSD Control by Pelco-D, Pelco P			
Automatic IRIS ; Connector	VIDEO / DC ; D4 IRIS Jack			
Lens Mount	CS / C mount (With Adaptor Ring)			
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	67(W)x56(H)x120(L)mm			
Net Weight	350g			
Accessories Option	Lens:SHV-IR2812DAI, SHV-IR3085DAI, SHV-IR7550DAI			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic Box Camera (Effio WDR III)

MTC-WD115EF
MTC-WD115MEF

MTC-WD115EF, MTC-WD115MEF



FEATURES



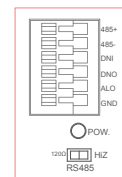
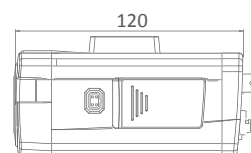
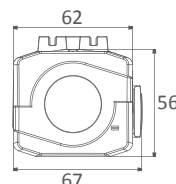
Mechanical IR Cut Filter (ICR)

MTC-WD115MEF

Sony Effio WDR III
610TVL

MTC-WD115EF, MTC-WD115MEF

- ◆1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆Color:610TVL, B/W:630TVL
- ◆Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆Powerful 512X WDR (54dB)
- ◆Multi-Language OSD Control / RS485 Control
- ◆196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆Fog Reduction ; High Light Compensation (HLC)
- ◆Digital Image Stabilizer (DIS)
- ◆2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆E-zoom Function (1~256x)
- ◆Motion Detection Function ; Mosaic Privacy Mask
- ◆Timer Clock

12Vdc/24Vac
Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WD115EF		MTC-WD115MEF		
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 760H Double-speed (Double-density) CCD			
Number of Total Pixels (CCD)	795(H)x596(V)	811(H)x508(V)	795(H)x596(V)	811(H)x508(V)
Resolution ; DSP	Color:610TVL, B/W:630TVL ; Sony Effio-P (WDR III)			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up:0.0001Lux@F1.2			
Wide Dynamic Range	512x Normal Camera (54dB)			
Video Output	1.0Vp-p Composite, 75Ω (BNCx2)			
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level can be adjusted)		
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator		
Menu	OSD Control or by RS485 Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)			
Digital Day&Night Mode	COLOR / B&W / AUTO / EXT			
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps , 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... ,1/1980, 1/1990, 1/2000 sec.			
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)			
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR			
WDR ; BLC ; Fog Reduction	WDR / BLC / FOG /OFF			
High Light Compensation	ON / OFF / AUTO			
Digital Image Stabilizer (DIS)	ON / OFF			
Dynamic Noise Reduction	3D / 2D			
Sense Up	AUTO (Limit x2~x512) / OFF			
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE			
Image Setting	SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR			
E-Zoom	x1~x256, Pan / Tilt Adjustable			
Motion Detection ; Privacy	ON / OFF (24x16 Zones, Alarm) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)			
Timer Clock	Year/Month/Date, Hour/Minute/Second			
Camera Control Interface	RS485 Interface OSD Control by Pelco-D, Pelco P			
Automatic IRIS ; Connector	VIDEO / DC ; D4 IRIS Jack			
Lens Mount	CS / C mount (With Adaptor Ring)			
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	67(W)x56(H)x120(L)mm			
Net Weight	350g			
Accessories Option	Lens:SHV-3010DAI, SHV-IR7550DAI ; Bracket:MTB-101, MTB-102 ; Housing			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic Dome Camera (Effio WDR III)

MTC-WD216EF
MTC-WD216MEF

MTC-WD216EF, MTC-WD216MEF



FEATURES

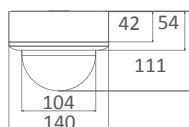
Mechanical IR Cut Filter (ICR)
MTC-WD216MEFIndoor, Plastic
3-axis Gimbal Mechanism

Option:

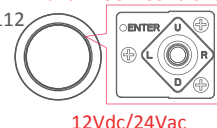
Light Sensor
MTC-WD216MEFSony Effio WDR III
680TVLMTB-201
Wall MountMTB-504
Ceiling Mount

MTC-WD216EF, MTC-WD216MEF

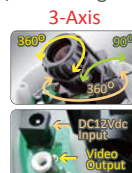
- ◆1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆Color:680TVL, B/W:700TVL
- ◆Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆Powerful 1024X WDR (60dB)
- ◆Multi-Language OSD Control
- ◆196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆Fog Reduction ; High Light Compensation (HLC)
- ◆Digital Image Stabilizer (DIS)
- ◆2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆E-zoom Function (1~256x)
- ◆Motion Detection Function ; Mosaic Privacy Mask
- ◆Timer Clock
- ◆Intelligent Light Sensor Control to Prevent Color or B/W Hunting (MTC-WD216MEF)



Built-in OSD Controller



12Vdc/24Vac

Dual Voltage
Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WD216EF		MTC-WD216MEF		
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H Double-speed (Double-density) CCD			
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio-P (WDR III)			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up:0.0001Lux@F1.2			
Wide Dynamic Range	1024x Normal Camera (60dB)			
Video Output	1.0Vp-p Composite, 75Ω (BNC)			
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level can be adjusted)		
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator		
Menu	OSD Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL			
Digital Day&Night Mode	COLOR / B&W / AUTO			
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... ,1/1980, 1/1990, 1/2000 sec.			
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)			
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR			
WDR ; BLC ; Fog Reduction	WDR / BLC / FOG / OFF			
High Light Compensation	ON / OFF / AUTO			
Digital Image Stabilizer (DIS)	ON / OFF			
Dynamic Noise Reduction	3D / 2D			
Sense Up	AUTO (Limit x2~x512) / OFF			
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE			
Image Setting	SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR			
E-Zoom	x1~x256, Pan / Tilt Adjustable			
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)			
Timer Clock	Year/Month/Date, Hour/Minute/Second			
Camera Control Interface	NA			
Automatic IRIS ; Connector	DC			
Lens Mount	Built-in DC Auto IRIS Lens			
Lens, Angle of View (H)	f2.8~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°, Option:f2.5~6.0mm/F1.3 Aspherical Auto IRIS Lens/108.2°~47.6°			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	140(DIA)x112(H)mm			
Net Weight	500g			
Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic Dome Camera (Effio WDR III)

MTC-WD215EF MTC-WD215MEF

MTC-WD215EF, MTC-WD215MEF



FEATURES



Mechanical IR Cut Filter (ICR)
MTC-WD215MEF

Indoor, Plastic
3-axis Gimbal Mechanism

Option:



Light Sensor
MTC-WD215MEF

Sony Effio WDR III
610TVL



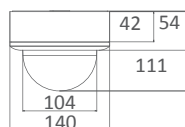
MTB-201
Wall Mount



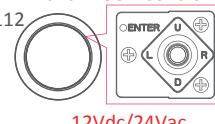
MTB-504
Ceiling Mount

MTC-WD215EF, MTC-WD215MEF

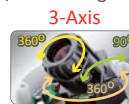
- ◆1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆Color:610TVL, B/W:630TVL
- ◆Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆Powerful 512X WDR (54dB)
- ◆Multi-Language OSD Control
- ◆196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆Fog Reduction ; High Light Compensation (HLC)
- ◆Digital Image Stabilizer (DIS)
- ◆2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆E-zoom Function (1~256x)
- ◆Motion Detection Function ; Mosaic Privacy Mask
- ◆Timer Clock
- ◆Intelligent Light Sensor Control to Prevent Color or B/W Hunting (MTC-WD215MEF)



Built-in OSD Controller



12Vdc/24Vac



3-Axis



Dual Voltage
Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WD215EF		MTC-WD215MEF		
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 760H Double-speed (Double-density) CCD			
Number of Total Pixels (CCD)	795(H)x596(V)	811(H)x508(V)	795(H)x596(V)	811(H)x508(V)
Resolution ; DSP	Color:610TVL, B/W:630TVL ; Sony Effio-P (WDR III)			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up:0.0001Lux@F1.2			
Wide Dynamic Range	512x Normal Camera (54dB)			
Video Output	1.0Vp-p Composite, 75Ω (BNC)			
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level can be adjusted)		
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator		
Menu	OSD Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL			
Digital Day&Night Mode	COLOR / B&W / AUTO			
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps , 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... ,1/1980, 1/1990, 1/2000 sec.			
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)			
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR			
WDR ; BLC ; Fog Reduction	WDR / BLC / FOG /OFF			
High Light Compensation	ON / OFF / AUTO			
Digital Image Stabilizer (DIS)	ON / OFF			
Dynamic Noise Reduction	3D / 2D			
Sense Up	AUTO (Limit x2~x512) / OFF			
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE			
Image Setting	SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR			
E-Zoom	x1~x256, Pan / Tilt Adjustable			
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)			
Timer Clock	Year/Month/Date, Hour/Minute/Second			
Camera Control Interface	NA			
Automatic IRIS ; Connector	DC			
Lens Mount	Built-in DC Auto IRIS Lens			
Lens, Angle of View (H)	f2.8~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°, Option:f2.5~6.0mm/F1.3 Aspherical Auto IRIS Lens/108.2°~47.6°			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	140(DIA)x112(H)mm			
Net Weight	500g			
Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic Vandalproof Camera (Effio WDR III)

MTC-WD516EF
MTC-WD516MEF

MTC-WD516EF, MTC-WD516MEF



FEATURES

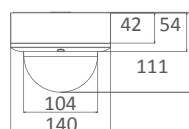
Mechanical IR Cut Filter (ICR)
MTC-WD516MEFOutdoor, Vandalproof
3-axis Gimbal Mechanism

Option:

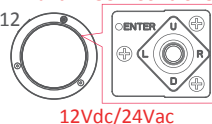
Light Sensor
MTC-WD516MEFSony Effio WDR III
680TVLMTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-WD516EF, MTC-WD516MEF

- ◆ 1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆ Color: 680TVL, B/W: 700TVL
- ◆ Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2, Sense-up: 0.0001Lux@F1.2
- ◆ Powerful 1024X WDR (60dB)
- ◆ Multi-Language OSD Control
- ◆ 196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆ Fog Reduction ; High Light Compensation (HLC)
- ◆ Digital Image Stabilizer (DIS)
- ◆ 2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆ E-zoom Function (1~256x)
- ◆ Motion Detection Function ; Mosaic Privacy Mask
- ◆ Timer Clock
- ◆ Water Resistance: IP66 ; Breaking Strength: 656.1Kgf
- ◆ Intelligent Light Sensor Control to Prevent Color or B/W Hunting (MTC-WD516MEF)

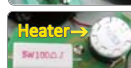


Built-in OSD Controller



12Vdc/24Vac

Dual Voltage

Option: Heater
Tol: ±0.5 Unit:mm

SPECIFICATIONS

	MTC-WD516EF		MTC-WD516MEF	
TV System	PAL	NTSC	PAL	NTSC
Image Sensor		1/3" Sony 960H Double-speed (Double-density) CCD		
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP		Color: 680TVL, B/W: 700TVL ; Sony Effio-P (WDR III)		
Minimum Illumination	Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up: 0.0001Lux@F1.2			
Wide Dynamic Range		1024x Normal Camera (60dB)		
Video Output		1.0Vp-p Composite, 75Ω (BNC)		
Signal to Noise Ratio (S/N)		More than 55dB (AGC off)		
Gamma Correction		0.45		
Mechanical IR Cut Filter (ICR)	NA		Automatically Switches (Switching Lux Level can be adjusted)	
IR LED ; Working Distance	NA		Compatible with Infrared Illuminator	
Menu		OSD Control		
Title		TITLE (LOCATION)		
Synchronizing System		INTERNAL		
Digital Day&Night Mode		COLOR / B&W / AUTO		
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... , 1/1980, 1/1990, 1/2000 sec.			
Automatic Gain Control		0~200 Levels (Adjustable Level Settings)		
White Balance		ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR		
WDR ; BLC ; Fog Reduction		WDR / BLC / FOG / OFF		
High Light Compensation		ON / OFF / AUTO		
Digital Image Stabilizer (DIS)		ON / OFF		
Dynamic Noise Reduction		3D / 2D		
Sense Up		AUTO (Limit x2~x512) / OFF		
Language		ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE		
Image Setting		SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR		
E-Zoom		x1~x256, Pan / Tilt Adjustable		
Motion Detection ; Privacy		ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)		
Timer Clock		Year/Month/Date, Hour/Minute/Second		
Camera Control Interface		NA		
Automatic IRIS ; Connector		DC		
Lens Mount		Built-in DC Auto IRIS Lens		
Lens, Angle of View (H)	f2.8~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°, Option: f2.5~6.0mm/F1.3 Aspherical Auto IRIS Lens/108.2°~47.6°			
Water Resistance		IP66		
Max. Breaking Strength		656.1 Kgf		
Power Supply ; Consumption		12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W, Heater adds max.11W		
Operation ; Storage Temp.		-10°C~50°C ; -20°C~60°C		
Operation ; Storage Humidity		Maximum: RH80% ; RH90%		
Dimensions		140(DIA)x112(H)mm		
Net Weight		950g		
Accessories Option	Wall Bracket: MTB-413 ; Ceiling Bracket: MTB-504 ; Thread Metal Flexible Conduit Fittings: S-FZS26			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic Vandalproof Camera (Effio WDR III)

MTC-WD515EF
MTC-WD515MEF

MTC-WD515EF, MTC-WD515MEF



FEATURES

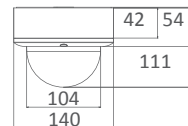
Mechanical IR Cut Filter (ICR)
MTC-WD515MEFOutdoor, Vandalproof
3-axis Gimbal Mechanism

Option:

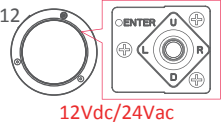
Light Sensor
MTC-WD515MEFSony Effio WDR III
610TVLMTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-WD515EF, MTC-WD515MEF

- ◆ 1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆ Color: 610TVL, B/W: 630TVL
- ◆ Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2, Sense-up: 0.0001Lux@F1.2
- ◆ Powerful 512X WDR (54dB)
- ◆ Multi-Language OSD Control
- ◆ 196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆ Fog Reduction ; High Light Compensation (HLC)
- ◆ Digital Image Stabilizer (DIS)
- ◆ 2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆ E-zoom Function (1~256x)
- ◆ Motion Detection Function ; Mosaic Privacy Mask
- ◆ Timer Clock
- ◆ Water Resistance: IP66 ; Breaking Strength: 656.1Kgf
- ◆ Intelligent Light Sensor Control to Prevent Color or B/W Hunting (MTC-WD515MEF)

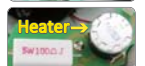


Built-in OSD Controller



12Vdc/24Vac

Dual Voltage

Option: Heater
Tol: ±0.5 Unit:mm

SPECIFICATIONS

	MTC-WD515EF		MTC-WD515MEF	
TV System	PAL	NTSC	PAL	NTSC
Image Sensor		1/3" Sony 760H Double-speed (Double-density) CCD		
Number of Total Pixels (CCD)	795(H)x596(V)	811(H)x508(V)	795(H)x596(V)	811(H)x508(V)
Resolution ; DSP		Color: 610TVL, B/W: 630TVL ; Sony Effio-P (WDR III)		
Minimum Illumination	Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up: 0.0001Lux@F1.2			
Wide Dynamic Range		512x Normal Camera (54dB)		
Video Output		1.0Vp-p Composite, 75Ω (BNC)		
Signal to Noise Ratio (S/N)		More than 55dB (AGC off)		
Gamma Correction		0.45		
Mechanical IR Cut Filter (ICR)	NA		Automatically Switches (Switching Lux Level can be adjusted)	
IR LED ; Working Distance	NA		Compatible with Infrared Illuminator	
Menu		OSD Control		
Title		TITLE (LOCATION)		
Synchronizing System		INTERNAL		
Digital Day&Night Mode		COLOR / B&W / AUTO		
Electronic Shutter		AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... , 1/1980, 1/1990, 1/2000 sec.		
Automatic Gain Control		0~200 Levels (Adjustable Level Settings)		
White Balance		ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR		
WDR ; BLC ; Fog Reduction		WDR / BLC / FOG / OFF		
High Light Compensation		ON / OFF / AUTO		
Digital Image Stabilizer (DIS)		ON / OFF		
Dynamic Noise Reduction		3D / 2D		
Sense Up		AUTO (Limit x2~x512) / OFF		
Language		ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE		
Image Setting		SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR		
E-Zoom		x1~x256, Pan / Tilt Adjustable		
Motion Detection ; Privacy		ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)		
Timer Clock		Year/Month/Date, Hour/Minute/Second		
Camera Control Interface		NA		
Automatic IRIS ; Connector		DC		
Lens Mount		Built-in DC Auto IRIS Lens		
Lens, Angle of View (H)	f2.8~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°, Option: f2.5~6.0mm/F1.3 Aspherical Auto IRIS Lens/108.2°~47.6°			
Water Resistance		IP66		
Max. Breaking Strength		656.1 Kgf		
Power Supply ; Consumption		12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W, Heater adds max.11W		
Operation ; Storage Temp.		-10°C~50°C ; -20°C~60°C		
Operation ; Storage Humidity		Maximum: RH80% ; RH90%		
Dimensions		140(DIA)x112(H)mm		
Net Weight		950g		
Accessories Option	Wall Bracket: MTB-413 ; Ceiling Bracket: MTB-504 ; Thread Metal Flexible Conduit Fittings: S-FZS26			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic IR Dome Camera (Effio WDR III)

MTC-WDL216EF
MTC-WDL215EF

MTC-WDL216EF, MTC-WDL215EF



FEATURES



Mechanical IR Cut Filter (ICR)

Indoor, Plastic

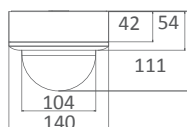
3-axis Gimbal Mechanism

Option:

Sony Effio WDR III
680/610TVLMTB-201
Wall MountMTB-504
Ceiling Mount

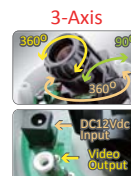
MTC-WDL216EF, MTC-WDL215EF

- ◆ 1/3" Hyper Wide Dynamic Infrared Camera (Sony Effio WDR III)
- ◆ Color: 680/610TVL, B/W: 700/630TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Powerful 1024X WDR (60dB) / 512X WDR (54dB)
- ◆ Multi-Language OSD Control
- ◆ 196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆ Fog Reduction ; High Light Compensation (HLC)
- ◆ Digital Image Stabilizer (DIS)
- ◆ 2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆ E-zoom Function (1~256x)
- ◆ Motion Detection Function ; Mosaic Privacy Mask
- ◆ Timer Clock



Built-in OSD Controller

12Vdc/24Vac



Dual Voltage

Tol: ±0.5 Unit:mm

SPECIFICATIONS

	MTC-WDL216EF		MTC-WDL215EF	
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H Double-speed (Double-density) CCD		1/3" Sony 760H Double-speed (Double-density) CCD	
Number of Total Pixels (CCD)	1024(H)x596(V)		795(H)x596(V)	
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Effio-P (WDR III)		Color: 610TVL, B/W: 630TVL ; Sony Effio-P (WDR III)	
Minimum Illumination	0.00Lux		0.00Lux	
Wide Dynamic Range	1024x Normal Camera (60dB)		510x Normal Camera (54dB)	
Video Output	1.0Vp-p Composite, 75Ω (BNC)		1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)		More than 55dB (AGC off)	
Gamma Correction	0.45		0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode < 2Lux, Color Mode > 5Lux)		Automatically Switches (B/W Mode < 2Lux, Color Mode > 5Lux)	
IR LED ; Working Distance	30 units (IR LEDs on < 2Lux, IR LEDs off > 5Lux) ; 10~20m		30 units (IR LEDs on < 2Lux, IR LEDs off > 5Lux) ; 10~20m	
Menu	OSD Control		OSD Control	
Title	TITLE (LOCATION)		TITLE (LOCATION)	
Synchronizing System	INTERNAL		INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO		COLOR / B&W / AUTO	
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... , 1/1980, 1/1990, 1/2000 sec.		AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... , 1/1980, 1/1990, 1/2000 sec.	
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)		0~200 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR		ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR	
WDR ; BLC ; Fog Reduction	WDR / BLC / FOG / OFF		WDR / BLC / FOG / OFF	
High Light Compensation	ON / OFF / AUTO		ON / OFF / AUTO	
Digital Image Stabilizer (DIS)	ON / OFF		ON / OFF	
Dynamic Noise Reduction	3D / 2D		3D / 2D	
Sense Up	AUTO (Limit x2~x512) / OFF		AUTO (Limit x2~x512) / OFF	
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE		ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE	
Image Setting	SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR		SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR	
E-Zoom	x1~x256, Pan / Tilt Adjustable		x1~x256, Pan / Tilt Adjustable	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)		ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)	
Timer Clock	Year/Month/Date, Hour/Minute/Second		Year/Month/Date, Hour/Minute/Second	
Camera Control Interface	NA		NA	
Automatic IRIS ; Connector	DC		DC	
Lens Mount	Built-in DC Auto IRIS Lens		Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°		f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°	
Water Resistance	NA		NA	
Max. Breaking Strength	NA		NA	
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; ; IR on: 6.0W, IR off: 3.5W		12Vdc/24Vac (10.8~39Vdc/24Vac) ; ; IR on: 6.0W, IR off: 3.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C		-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%		Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x112(H)mm		140(DIA)x112(H)mm	
Net Weight	500g		500g	
Accessories Option	Wall Bracket: MTB-201 ; Ceiling Bracket: MTB-504		Wall Bracket: MTB-201 ; Ceiling Bracket: MTB-504	

*Specifications are unfixed and do not apply to customized projects. 120301

<http://www.shany.com>

Hyper Wide Dynamic IR Vandalproof Camera (Effio WDR III)

MTC-WDL516EF
MTC-WDL515EF

MTC-WDL516EF, MTC-WDL515EF



FEATURES



Mechanical IR Cut Filter (ICR)

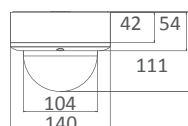
Outdoor, Vandalproof
3-axis Gimbal Mechanism

Option:

Sony Effio WDR III
680/610TVLMTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-WDL516EF, MTC-WDL515EF

- ◆ 1/3" Hyper Wide Dynamic Infrared Camera (Sony Effio WDR III)
- ◆ Color: 680/610TVL, B/W: 700/630TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Powerful 1024X WDR (60dB) / 512X WDR (54dB)
- ◆ Multi-Language OSD Control
- ◆ 196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆ Fog Reduction ; High Light Compensation (HLC)
- ◆ Digital Image Stabilizer (DIS)
- ◆ 2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆ E-zoom Function (1~256x)
- ◆ Motion Detection Function ; Mosaic Privacy Mask
- ◆ Timer Clock
- ◆ Water Resistance: IP66 ; Breaking Strength: 656.1Kgf



Built-in OSD Controller

12Vdc/24Vac

Dual Voltage

Option: Heater
Tol: ±0.5 Unit:mm

SPECIFICATIONS

	MTC-WDL516EF		MTC-WDL515EF	
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H Double-speed (Double-density) CCD		1/3" Sony 760H Double-speed (Double-density) CCD	
Number of Total Pixels (CCD)	1024(H)x596(V)		795(H)x596(V)	
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Effio-P (WDR III)		Color: 610TVL, B/W: 630TVL ; Sony Effio-P (WDR III)	
Minimum Illumination	0.00Lux		0.00Lux	
Wide Dynamic Range	1024x Normal Camera (60dB)		510x Normal Camera (54dB)	
Video Output	1.0Vp-p Composite, 75Ω (BNC)		1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)		More than 55dB (AGC off)	
Gamma Correction	0.45		0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode < 2Lux, Color Mode > 5Lux)		Automatically Switches (B/W Mode < 2Lux, Color Mode > 5Lux)	
IR LED ; Working Distance	30 units (IR LEDs on < 2Lux, IR LEDs off > 5Lux) ; 10~20m		30 units (IR LEDs on < 2Lux, IR LEDs off > 5Lux) ; 10~20m	
Menu	OSD Control		OSD Control	
Title	TITLE (LOCATION)		TITLE (LOCATION)	
Synchronizing System	INTERNAL		INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO		COLOR / B&W / AUTO	
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... , 1/1980, 1/1990, 1/2000 sec.		AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... , 1/1980, 1/1990, 1/2000 sec.	
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)		0~200 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR		ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR	
WDR ; BLC ; Fog Reduction	WDR / BLC / FOG / OFF		WDR / BLC / FOG / OFF	
High Light Compensation	ON / OFF / AUTO		ON / OFF / AUTO	
Digital Image Stabilizer (DIS)	ON / OFF		ON / OFF	
Dynamic Noise Reduction	3D / 2D		3D / 2D	
Sense Up	AUTO (Limit x2~x512) / OFF		AUTO (Limit x2~x512) / OFF	
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE		ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE	
Image Setting	SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR		SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR	
E-Zoom	x1~x256, Pan / Tilt Adjustable		x1~x256, Pan / Tilt Adjustable	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)		ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)	
Timer Clock	Year/Month/Date, Hour/Minute/Second		Year/Month/Date, Hour/Minute/Second	
Camera Control Interface	NA		NA	
Automatic IRIS ; Connector	DC		DC	
Lens Mount	Built-in DC Auto IRIS Lens		Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°		f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°	
Water Resistance	IP66		IP66	
Max. Breaking Strength	656.1 Kgf		656.1 Kgf	
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; IR on: 7.5W, IR off: 5.0W, Heater adds max.11W		12Vdc/24Vac (10.8~39Vdc/24Vac) ; IR on: 7.5W, IR off: 5.0W, Heater adds max.11W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C		-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%		Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x111(H)mm		140(DIA)x111(H)mm	
Net Weight	1,000g		1,000g	
Accessories Option	Wall Bracket: MTB-413 ; Ceiling Bracket: MTB-504 ; Thread Metal Flexible Conduit Fittings: S-FZS26		Wall Bracket: MTB-413 ; Ceiling Bracket: MTB-504 ; Thread Metal Flexible Conduit Fittings: S-FZS26	

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic IR Bullet Camera (Effio WDR III)

MTC-WDL716EF

MTC-WDL716EF



FEATURES



Mechanical IR Cut Filter (ICR)

3-axis Cable Management

Option:



MTB-414S



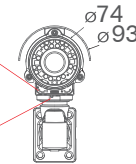
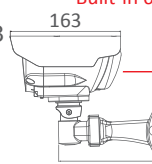
Pole Mount

MTC-WDL716EF

- ◆ 1/3" Hyper Wide Dynamic Infrared Camera (Sony Effio WDR III)
- ◆ Color:680TVL, B/W:700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Powerful 1024X WDR (60dB)
- ◆ Multi-Language OSD Control
- ◆ 196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆ Fog Reduction ; High Light Compensation (HLC)
- ◆ Digital Image Stabilizer (DIS)
- ◆ 2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆ E-zoom Function (1~256x)
- ◆ Motion Detection Function ; Mosaic Privacy Mask
- ◆ Timer Clock ; Water Resistance: IP67
- ◆ Built-in Varifocal Lens & 3-axis Cable Management Bracket

Light Module
Built-in 6pcs 6x6mm HP LED

HIR adjustments

12Vdc±10%
Option: Dual Voltage (12Vdc/24Vac)Cable with
OSD button

Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WDL716EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H Double-speed (Double-density) CCD	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio-P (WDR III)	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	1024x Normal Camera (60dB)	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	30 units (6 Pcs HP Reflection LEDs) (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 25~35m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO: 1/50(60)~1/100,000 sec. / SCHEDULE or DAY&NIGHT (196 Steps, 1/50~1/2000 sec.) MANUAL: 196 Steps , 1/50, 1/60, 1/70, 1/80, 1/90, NTSC FL 1/100, 1/110, PAL FL 1/120, 1/130, ... , 1/1980, 1/1990, 1/2000 sec.	
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR	
WDR ; BLC ; Fog Reduction	WDR / BLC / FOG / OFF	
High Light Compensation	ON / OFF / AUTO	
Digital Image Stabilizer (DIS)	ON / OFF	
Dynamic Noise Reduction	3D / 2D	
Sense Up	AUTO (Limit x2~x512) / OFF	
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE	
Image Setting	SHARPNESS / CONTRAST / SATURATION / HUE / MIRROR	
E-Zoom	x1~x256, Pan / Tilt Adjustable	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)	
Timer Clock	Year/Month/Date, Hour/Minute/Second	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f3.8mm~9.5mm/F1.2 Aspherical D/N Lens/74.2°~30.0°	
Water Resistance	IP66	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard:12Vdc±10%; IR on :5.5W, IR off :2.5W, Option:12Vdc/24Vac (10.8~39Vdc/24Vac); IR on :6.0W, IR off :3.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	93(DIA)x163(D)mm	
Net Weight	1,000g	
Accessories Option	Pole Mount:MTB-414S	

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic Box Camera (Effio WDR)

MTC-WD113EF MTC-WD113MEF

MTC-WD113EF, MTC-WD113MEF



FEATURES



Mechanical IR Cut Filter (ICR)

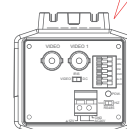
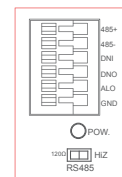
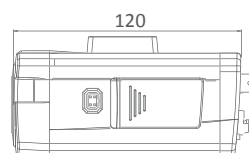
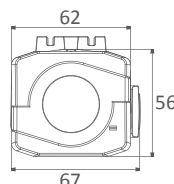
MTC-WD113MEF



Sony Effio WDR
680TVL

MTC-WD113EF, MTC-WD113MEF

- ◆ 1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR)
- ◆ Color: 680TVL, B/W: 700TVL
- ◆ Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2, Sense-up: 0.0001Lux@F1.2
- ◆ Powerful 512X WDR (54dB)
- ◆ Multi-Language OSD Control
- ◆ High Light Compensation (HLC)
- ◆ 2D/3D Noise Reduction
- ◆ Sense Up (512x) Functions
- ◆ Digital Image Stabilizer (DIS)
- ◆ E-zoom Function (1~256x)
- ◆ Advanced Motion Detection Function
- ◆ Quadrangle Mosaic Privacy Mask



12Vdc/24Vac

Tol: ±0.5 Unit:mm

SPECIFICATIONS

MTC-WD113EF		MTC-WD113MEF		
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II			
Number of Total Pixels	1020(H)x596(V)	1020(H)x508(V)	1020(H)x596(V)	1020(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio WDR			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up:0.0001Lux@F1.2			
Wide Dynamic Range	512x Normal Camera (54dB)			
Video Output	1.0Vp-p Composite, 75Ω (BNCx2)			
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level can be adjusted)		
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator		
Menu	OSD Control or by RS485 Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)			
Digital Day&Night Mode	COLOR / B&W / AUTO / EXT			
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), 1/120(100), 1/200, 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/3,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/100,000 sec.			
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)			
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR			
WDR ; BLC	WDR / BLC / OFF			
High Light Compensation	ON / OFF / AUTO			
Flickerless	ON / OFF			
Dynamic Noise Reduction	3D / 2D			
Sense Up	AUTO (Limit x2~x512) / OFF			
Digital Image Stabilizer	ON / OFF			
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE			
E-Zoom	x1~x256, Pan / Tilt Adjustable			
Motion Detection ; Privacy	ON / OFF (24x16 Zones, Alarm) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)			
Camera Control Interface	RS485 Interface OSD Control by Pelco-D, Pelco P			
Automatic IRIS ; Connector	VIDEO / DC ; D4 IRIS Jack			
Lens Mount	CS / C mount (With Adaptor Ring)			
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W			
Operation ; Storage Temp.	-10℃~50℃ ; -20℃~60℃			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	67(W)x56(H)x120(L)mm			
Net Weight	350g			
Accessories Option	Lens:SHV-IR2812DAI, SHV-IR3085DAI, SHV-IR7550DAI			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic Dome Camera (Effio WDR)

MTC-WD213EF
MTC-WD213MEF

MTC-WD213EF, MTC-WD213MEF



FEATURES

Mechanical IR Cut Filter
MTC-WD213MEF

3-Axis Gimbal Mechanism
Indoor, Plastic



Light Sensor
MTC-WD213MEF

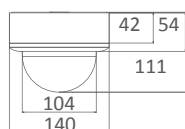
Sony Effio WDR
680TVL

Option:

MTB-201
Wall MountMTB-504
Ceiling Mount

MTC-WD213EF, MTC-WD213MEF

- ◆1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR)
- ◆Color:680TVL, B/W:700TVL
- ◆Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆Powerful 512X WDR (54dB)
- ◆Multi-Language OSD Control
- ◆High Light Compensation (HLC)
- ◆2D/3D Noise Reduction
- ◆Sense Up (512x) Functions
- ◆Digital Image Stabilizer (DIS)
- ◆E-zoom Function (1~256x)
- ◆Advanced Motion Detection Function
- ◆Quadrangle Mosaic Privacy Mask
- ◆Built-in Varifocal Lens & Unique 3-Axis Gimbal Mechanism
- ◆Intelligent Light Sensor Control to Prevent Color or B/W Hunting (MTC-WD213MEF)



Built-in OSD Controller



12Vdc/24Vac



Dual Voltage

Tol:±0.5 Unit:mm

SPECIFICATIONS

	MTC-WD213EF		MTC-WD213MEF	
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II			
Number of Total Pixels	1020(H)x596(V)	1020(H)x508(V)	1020(H)x596(V)	1020(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio WDR			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up:0.0001Lux@F1.2			
Wide Dynamic Range	512x Normal Camera (54dB)			
Video Output	1.0Vp-p Composite, 75Ω (BNC)			
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level can be adjusted)		
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator		
Menu	OSD Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)			
Digital Day&Night Mode	COLOR / B&W / AUTO			
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), 1/120(100), 1/200, 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/1,500,1/2,000, 1/3,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/100,000 sec.			
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)			
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR			
WDR ; BLC	WDR / BLC / OFF			
High Light Compensation	ON / OFF / AUTO			
Flickerless	ON / OFF			
Dynamic Noise Reduction	3D / 2D			
Sense Up	AUTO (Limit x2~x512) / OFF			
Digital Image Stabilizer	ON / OFF			
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE			
E-Zoom	x1~x256, Pan / Tilt Adjustable			
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)			
Camera Control Interface	NA			
Automatic IRIS ; Connector	DC			
Lens Mount	Built-in DC Auto IRIS Lens			
Lens, Angle of View (H)	f2.8~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°, Option:f2.5~6.0mm/F1.3 Aspherical Auto IRIS Lens/108.2°~47.6°			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2.0W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	140(DIA)x112(H)mm			
Net Weight	500g			
Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504			

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper Wide Dynamic IR Dome Camera (Effio WDR)

MTC-WDL213EF

MTC-WDL213EF



FEATURES



Mechanical IR Cut Filter

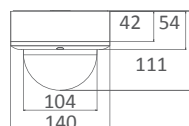
3-Axis Gimbal Mechanism
Indoor, Plastic

Option:

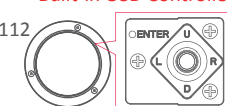
MTB-201
Wall MountMTB-504
Ceiling MountSony Effio WDR
680TVL

MTC-WDL213EF

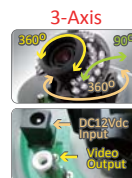
- ◆ 1/3" Hyper Wide Dynamic Infrared Camera (Sony Effio WDR)
- ◆ Color:680TVL, B/W:700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Powerful 512X WDR (54dB)
- ◆ Multi-Language OSD Control
- ◆ High Light Compensation (HLC)
- ◆ 2D/3D Noise Reduction
- ◆ Sense Up (512x) Functions
- ◆ Digital Image Stabilizer (DIS)
- ◆ E-zoom Function (1~256x)
- ◆ Advanced Motion Detection Function
- ◆ Quadrangle Mosaic Privacy Mask
- ◆ Built-in Varifocal Lens & Unique 3-Axis Gimbal Mechanism
- ◆ Intelligent Light Sensor Control to Prevent Color or B/W Hunting



Built-in OSD Controller



12Vdc/24Vac



Dual Voltage

Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WDL213EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels	1020(H)x596(V)	1020(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio WDR	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	512x Normal Camera (54dB)	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), 1/120(100), 1/200, 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/3,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/100,000 sec.	
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR	
WDR ; BLC	WDR / BLC / OFF	
High Light Compensation	ON / OFF / AUTO	
Flickerless	ON / OFF	
Dynamic Noise Reduction	3D / 2D	
Sense Up	AUTO (Limit x2~x512) / OFF	
Digital Image Stabilizer	ON / OFF	
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE	
E-Zoom	x1~x256, Pan / Tilt Adjustable	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°	
Water Resistance	NA	
Max. Breaking Strength	NA	
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; IR on:6.0W, IR off:3.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x112(H)mm	
Net Weight	500g	
Accessories Option	Wall Bracket:MTB-201 ; Ceiling Bracket:MTB-504	

*Specifications are unfixed and do not apply to customized projects. 120301

Hyper WD IR Vandalproof Camera (Effio WDR)

MTC-WDL513EF

MTC-WDL513EF



FEATURES



Mechanical IR Cut Filter

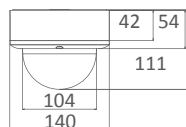
3-Axis Gimbal Mechanism

Option:

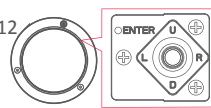
Sony Effio WDR
680TVLMTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-WDL513EF

- ◆1/3" Hyper Wide Dynamic Infrared Camera (Sony Effio WDR)
- ◆Color:680TVL, B/W:700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆Powerful 510X WDR (54dB)
- ◆Multi-Language OSD Control
- ◆High Light Compensation (HLC)
- ◆2D/3D Noise Reduction
- ◆Sense Up (512x) Functions
- ◆Digital Image Stabilizer (DIS)
- ◆E-zoom Function (1~256x)
- ◆Advanced Motion Detection Function
- ◆Quadrangle Mosaic Privacy Mask
- ◆Built-in Varifocal Lens & Unique 3-Axis Gimbal Mechanism
- ◆Water Resistance: IP66 ; Breaking Strength: 656.1Kgf
- ◆Intelligent Light Sensor Control to Prevent Color or B/W Hunting



Built-in OSD Controller



12Vdc/24Vac

Dual Voltage



Option:Heater

Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WDL513EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels	1020(H)x596(V)	1020(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio WDR	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	510x Normal Camera (54dB)	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), 1/120(100), 1/200, 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/3,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/100,000 sec.	
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR	
WDR ; BLC	WDR / BLC / OFF	
High Light Compensation	ON / OFF / AUTO	
Flickerless	ON / OFF	
Dynamic Noise Reduction	3D / 2D	
Sense Up	AUTO (Limit x2~x512) / OFF	
Digital Image Stabilizer	ON / OFF	
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE	
E-Zoom	x1~x256, Pan / Tilt Adjustable	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°	
Water Resistance	IP66	
Max. Breaking Strength	656.1 Kgf	
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; IR on:7.5W, IR off:5.0W, Heater adds max.11W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x111(H)mm	
Net Weight	950g	
Accessories Option	Wall Bracket:MTB-413 ; Ceiling Bracket:MTB-504 ; Thread Metal Flexible Conduit Fittings:S-FZS26	

*Specifications are unfixed and do not apply to customized projects. 120301

SHANY
THE ELITE OF CCTV

Analog Camera

Camera series

Customer-oriented innovation



- | | |
|-------------------------------------|---------|
| > Digital WD Box Camera | E02~E03 |
| > Digital WD Dome Camera | E04~E05 |
| > Digital WD Vandalproof Camera | E06~E06 |
| > Digital WD IR Dome Camera | E07~E09 |
| > Digital WD Outdoor IR Dome Camera | E09~E09 |
| > Digital WD IR Bullet Camera | E10~E12 |

<http://www.shany.com>

Digital WDR Box Camera (Sony Effio-E)

MTC-113EF, MTC-113MEF

FEATURES



Mechanical IR Cut Filter (ICR)
MTC-113MEF



MTC-113EF

MTC-113MEF

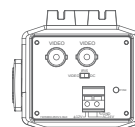
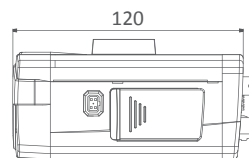
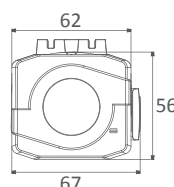
Digital WDR
680TVL

MTC-113EF, MTC-113MEF



MTC-113EF, MTC-113MEF

- ◆ 1/3" Digital Wide Dynamic Range Color Camera (Sony Enhanced Effio-E)
- ◆ Color: 680TVL, B/W: 700TVL
- ◆ Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR)
- ◆ Mechanical Focus Adjustment (MTC-113EF)
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)



12Vdc/24Vac
Option: 90~260Vac
Tol: ±0.5 Unit:mm

SPECIFICATIONS

	MTC-113EF		MTC-113MEF	
TV System	PAL		PAL	
Image Sensor	1/3" Sony 960H EXview HAD CCD II			
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Enhanced Effio-E			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR)			
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera			
Video Output	1.0Vp-p Composite, 75Ω (BNC)			
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA		Automatically Switches (Switching Lux Level can be adjusted)	
IR LED ; Working Distance	NA		Compatible with Infrared Illuminator	
Menu	OSD Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL			
Digital Day&Night Mode	COLOR / B&W / AUTO			
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.			
Automatic Gain Control	AUTO (4 Steps)			
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK			
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF			
Flickerless	ON / OFF			
Dynamic Noise Reduction	2D			
Sense Up	NA			
IR Optimizer	ON (AUTO / CENTER) / OFF			
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE			
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN			
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)			
Timer Clock	NA			
Camera Control Interface	NA			
Automatic IRIS ; Connector	VIDEO / DC ; D4 IRIS Jack			
Lens Mount	CS / C mount (With Adaptor Ring)			
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac); 2.5W, Option: 90~260Vac ; 2.0W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	67(W)x56(H)x120(L)mm			
Net Weight	350g			
Accessories Option	Lens:SHV-IR2812DAI, SHV-IR3085DAI, SHV-IR7550DAI			

*Specifications are unfixed and do not apply to customized projects. 120301

<http://www.shany.com>

Digital WDR Varifocal Box Camera (Sony Effio-E)

MTC-413EF

FEATURES



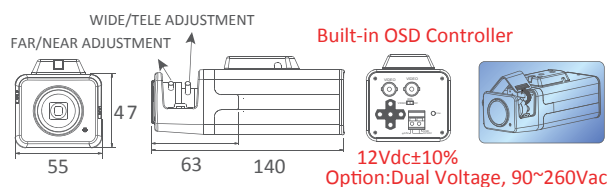
Digital WDR
680TVL

MTC-413EF



MTC-413EF

- ◆ 1/3" Digital Wide Dynamic Range Color Camera (Sony Enhanced Effio-E)
- ◆ Color: 680TVL, B/W: 700TVL
- ◆ Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Built-in Varifocal Lens (f2.8~10.5mm)



Tol: ±0.5 Unit:mm

SPECIFICATIONS

MTC-413EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	NA	
IR LED ; Working Distance	NA	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°	
Water Resistance	NA	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard: 12Vdc±10% ; 1.5W, Option: 12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2.5W, 90~260Vac ; 2.0W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	55(W)x47(H)x140(D)mm	
Net Weight	350g	
Accessories Option	NA	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR Varifocal Dome Camera (Sony Effio-E)

MTC-213EF

FEATURES

MTC-213EF



Digital WDR
680TVL

3-Axis Gimbal Mechanism

Option:



MTB-201



Wall Mount



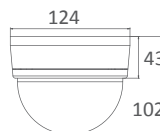
MTB-503



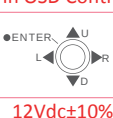
Ceiling Mount

MTC-213EF

- ◆ 1/3" Digital Wide Dynamic Range Color Camera (Sony Enhanced Effio-E)
- ◆ Color:680TVL, B/W:700TVL
- ◆ Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Built-in Varifocal Lens & Unique 3-axis Gimbal Mechanism



Built-in OSD Controller



12Vdc±10%



Option: Dual Voltage

Tol: ±0.5 Unit:mm

SPECIFICATIONS

MTC-213EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	NA	
IR LED ; Working Distance	NA	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°, Option:f2.5~6.0mm/F1.3 Aspherical Auto IRIS Lens/108.2°~47.6°	
Water Resistance	NA	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard:12Vdc±10%; 1.5W, Option:12Vdc/24Vac (10.8~39Vdc/24Vac); 2.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	124(DIA)x102(H)mm	
Net Weight	320g	
Accessories Option	Wall Bracket:MTB-201(I-4), MTB-503	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR Dome Camera (Sony Effio-E)

MTC-808DEF

FEATURES



Digital WDR
610TVL

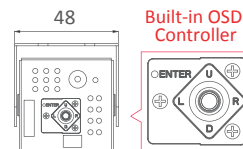
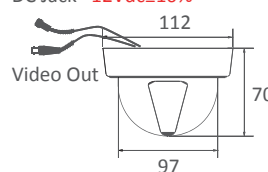
MTC-808DEF



MTC-808DEF

- ◆ 1/3" Digital Wide Dynamic Range Color Camera (Sony Enhanced Effio-E)
- ◆ Color: 610TVL, B/W: 630TVL
- ◆ Color: 0.1Lux@F2.0, B/W: 0.05Lux@F2.0
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)

DC Jack 12Vdc±10%



Tol: ±0.5 Unit:mm

SPECIFICATIONS

MTC-808DEF		
TV System	PAL	NTSC
Image Sensor	1/3" High Resolution CCD	
Number of Total Pixels (CCD)	795(H)x596(V)	811(H)x508(V)
Resolution ; DSP	Color: 610TVL, B/W: 630TVL ; Sony Enhanced Effio-E	
Minimum Illumination	Color: 0.1Lux@F2.0, B/W: 0.05Lux@F2.0	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	NA	
IR LED ; Working Distance	NA	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	NA	
Lens Mount	Built-in Board Lens	
Lens, Angle of View (H)	Standard: f3.6mm/F2.0/72.5° ; Option: f2.5mm/105°, f2.9mm/90°, f6.0mm/47.5°, f8.0mm/36.5°, f12.0mm/24.5°	
Water Resistance	NA	
Max. Breaking Strength	NA	
Power Supply ; Consumption	12Vdc±10%; 1.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	112(DIA)x70(H)mm	
Net Weight	200g	
Accessories Option	NA	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR Vandalproof Camera (Sony Effio-E)

MTC-513EF

FEATURES

MTC-513EF



Digital WDR
680TVL

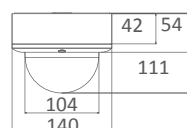
3-Axis Gimbal Mechanism

Option:

MTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-513EF

- ◆ 1/3" Digital Wide Dynamic Range Color Camera (Sony Enhanced Effio-E)
- ◆ Color: 680TVL, B/W: 700TVL
- ◆ Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Built-in Varifocal Lens & Unique 3-Axis Gimbal Mechanism
- ◆ Water Resistance: IP66 ; Breaking Strength: 656.1Kgf



Built-in OSD Controller



12Vdc±10%

Option: Dual Voltage



Option: Heater

Tol: ±0.5 Unit:mm

SPECIFICATIONS

MTC-513EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	Color: 0.03Lux@F1.2, B/W: 0.01Lux@F1.2	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	NA	
IR LED ; Working Distance	NA	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°	
Water Resistance	IP66	
Max. Breaking Strength	656.1 Kgf	
Power Supply ; Consumption	Standard: 12Vdc±10%; 1.5W ; Heater adds max.3W, Option: 12Vdc/24Vac (10.8~39Vdc/24Vac); 2.5W ; Heater adds max.11W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x112(H)mm	
Net Weight	950g	
Accessories Option	Wall Bracket: MTB-413 ; Ceiling Bracket: MTB-504 ; Thread Metal Flexible Conduit Fittings: S-FZS26	

*Specifications are unfixed and do not apply to customized projects. 120301

<http://www.shany.com>

Digital WDR Indoor IR Camera (Sony Effio-E)

MTC-L413EF

FEATURES



Mechanical IR Cut Filter



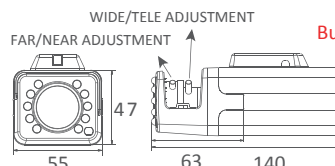
Digital WDR
680TVL

MTC-L413EF

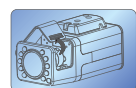


MTC-L413EF

- ◆ 1/3" Digital Wide Dynamic Range Infrared Camera (Sony Enhanced Effio-E)
- ◆ Color:680TVL, B/W:700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Built-in Varifocal Lens



Built-in OSD Controller



12Vdc±10%
Option: Dual Voltage, 90~260Vac

Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-L413EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	10 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~15m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10mm/F1.2 Aspherical D/N Lens/94.6° ~28.8°	
Water Resistance	NA	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard:12Vdc±10% ; IR on:3.5W, IR off:2.5W, Option:12Vdc/24Vac (10.8~39Vdc/24Vac), 90~260Vac; IR on:4.5W, IR off:3.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	55(W)x47(H)x140(L)mm	
Net Weight	12Vdc, 12Vdc/24Vac:300g ; 90~260Vac:350g	
Accessories Option	NA	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR IR Dome Camera (Sony Effio-E)

MTC-L213EF

FEATURES



Mechanical IR Cut Filter 3-Axis Gimbal Mechanism
Indoor, Plastic



Digital WDR
680TVL

MTC-L213EF



Option:



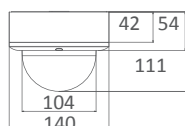
MTB-201
Wall Mount



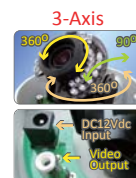
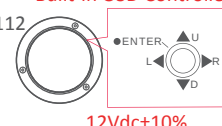
MTB-504
Ceiling Mount

MTC-L213EF

- ◆ 1/3" Digital Wide Dynamic Range Infrared Camera (Sony Enhanced Effio-E)
- ◆ Color: 680TVL, B/W: 700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Built-in Varifocal Lens & Unique 3-Axis Gimbal Mechanism



Built-in OSD Controller



Option: Dual Voltage

Tol: ±0.5 Unit: mm

SPECIFICATIONS

MTC-L213EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off, Weight on)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°	
Water Resistance	NA	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard: 12Vdc±10% ; IR on: 6.0W, IR off: 2.5W, Option: 12Vdc/24Vac (10.8~39Vdc/24Vac) ; IR on: 7.5W, IR off: 4.0W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x112(H)mm	
Net Weight	550g	
Accessories Option	Wall Bracket: MTB-201 ; Ceiling Bracket: MTB-504	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR Vandalproof IR Camera (Sony Effio-E)

MTC-L513EF

FEATURES



Mechanical IR Cut Filter

3-Axis Gimbal Mechanism

Option:

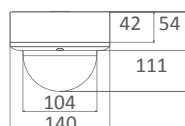


Digital WDR
680TVL

MTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-L513EF

- ◆ 1/3" Digital Wide Dynamic Range Infrared Camera (Sony Enhanced Effio-E)
- ◆ Color: 680TVL, B/W: 700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Built-in Varifocal Lens & Unique 3-Axis Gimbal Mechanism
- ◆ Water Resistance: IP66 ; Breaking Strength: 656.1Kgf



Built-in OSD Controller



12Vdc±10%

Option: Dual Voltage



Option: Heater

Tol: ±0.5 Unit:mm

SPECIFICATIONS

MTC-L513EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	30 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 10~20m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10mm/F1.2 Aspherical Auto IRIS Lens/94.6°~28.8°	
Water Resistance	IP66	
Max. Breaking Strength	656.1 Kgf	
Power Supply ; Consumption	12Vdc; IR on: 6.0W, IR off: 2.5W ; Heater adds max. 3W , Option: 12Vdc/24Vac ; IR on: 7.5W, IR off: 4.0W ; Heater adds max. 11W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	140(DIA)x112(H)mm	
Net Weight	1,000g	
Accessories Option	Wall Bracket: MTB-413 ; Ceiling Bracket: MTB-504 ; Thread Metal Flexible Conduit Fittings: S-FZS26	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR Outdoor IR Camera (Sony Effio-E)

MTC-L713EF

FEATURES



Option:

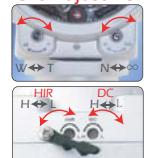


MTB-414S
Pole Mount

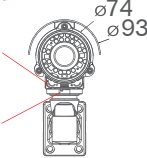
MTC-L713EF

- ◆ 1/3" Digital Wide Dynamic Range Infrared Camera (Sony Enhanced Effio-E)
- ◆ Color: 680TVL, B/W: 700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ Smart IR Light Control
- ◆ 2D Noise Reduction
- ◆ Mosaic Privacy Mask & Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Double Glass Lens for Avoiding Halos & Blur
- ◆ Built-in Aspherical D/N Lens (f3.8~9.5mm)
- ◆ 3-axis Cable Management Bracket & Water Resistance: IP67

External Varifocal Lens Adjustment



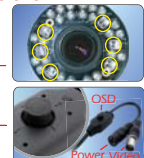
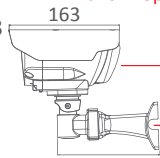
DC Level & HIR adjustments



12Vdc±10%

Option: Dual Voltage (12Vdc/24Vac)

Built-in 6pcs 6x6mm HP LED



Cable with OSD button

Tol: ±0.5 Unit: mm

SPECIFICATIONS

MTC-L713EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	30 units (6 Pcs HP Reflection LEDs) (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 25~35m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f3.8mm~9.5mm/F1.2 F1.2 Aspherical D/N Lens/74.2°~30.0°	
Water Resistance	IP66	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard: 12Vdc±10%; IR on: 6.0W, IR off: 2.5W, Option: 12Vdc/24Vac (10.8~39Vdc/24Vac); IR on: 7.5W, IR off: 4.0W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	93(DIA)x163(D)mm	
Net Weight	1,000g	
Accessories Option	Pole Mount: MTB-414S	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR Outdoor IR Camera (Sony Effio-E)

MTC-L613EF

FEATURES



Mechanical IR Cut Filter



Digital WDR
680TVL

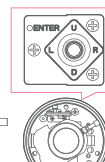
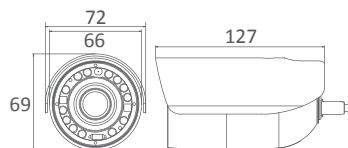
MTC-L613EF



MTC-L613EF

- ◆ 1/3" Digital Wide Dynamic Range Infrared Camera (Sony Enhanced Effio-E)
- ◆ Color:680TVL, B/W:670TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Mosaic Privacy Mask
- ◆ Advanced Motion Detection Function
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Double Glass Lens for Avoiding Halos & Blur
- ◆ Built-in Varifocal Lens
- ◆ Water Resistance:IP67

Built-in OSD Controller Wall Mount



12Vdc±10%



Light Module
Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-L613EF		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1024(H)x596(V)	1028(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Enhanced Effio-E	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W Mode<2Lux, Color Mode>5Lux)	
IR LED ; Working Distance	15 units (2 Pcs HP Reflection LEDs) (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 15~25m	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	COLOR / B&W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), FL 1/120(100), 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
Automatic Gain Control	AUTO (4 Steps)	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
D-WDR ; BLC	LUMINANCE (HIGH / MID / LOW), CONTRAST (HIGH / MIDTHIGH / MID / MIDLOW / LOW) ; HLC / BLC / OFF	
Flickerless	ON / OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	ON (AUTO / CENTER) / OFF	
Language	ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / SIMPLIFIED CHINESE	
Image Setting	CONTRAST, SHARPNESS, HUE, GAIN	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (8 Zones Programmable, Mosaic)	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f2.8mm~10.5mm/F1.2 Aspherical Auto IRIS Lens/99.5°~27.4°	
Water Resistance	IP67	
Max. Breaking Strength	NA	
Power Supply ; Consumption	12Vdc±10%; IR on:3.5W, IR off:2.0W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	69(DIA)x127(L)mm	
Net Weight	400g	
Accessories Option	Bracket:Standard with MTB-206	

*Specifications are unfixed and do not apply to customized projects. 120301

Digital WDR Outdoor IR Camera (Sony Effio-E)

MTC-L632EF

FEATURES



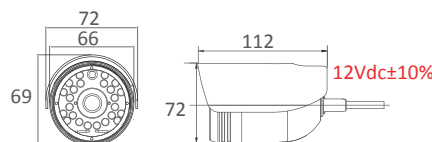
Digital WDR
610TVL

MTC-L632EF



MTC-L632EF

- ◆ 1/3" Digital Wide Dynamic Range Infrared Camera (Sony Enhanced Effio-E)
- ◆ Color:610TVL, B/W:630TVL
- ◆ 0.00 Lux (IR LEDs on at 2 Lux)
- ◆ Powerful 128X D-WDR
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Ideal for Backlight Environments
- ◆ Water Resistance:IP67



Wall Mount



Light Module

Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-L632EF		
TV System	PAL	NTSC
Image Sensor	1/3" High Resolution CCD	
Number of Total Pixels (CCD)	795(H)x596(V)	811(H)x508(V)
Resolution ; DSP	Color:610TVL, B/W:630TVL ; Sony Enhanced Effio-E	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	D-WDR (ATR) ; 128x Normal Camera	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 52dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	NA	
IR LED ; Working Distance	24 units (IR LEDs on<2Lux, IR LEDs off>5Lux) ; 15~20m	
Menu	NA	
Title	NA	
Synchronizing System	INTERNAL	
Digital Day&Night Mode	NA	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.)	
Automatic Gain Control	AUTO	
White Balance	ATW	
D-WDR ; BLC	OFF ; OFF	
Flickerless	OFF	
Dynamic Noise Reduction	2D	
Sense Up	NA	
IR Optimizer	AUTO	
Language	NA	
Image Setting	NA	
Motion Detection ; Privacy	NA	
Timer Clock	NA	
Camera Control Interface	NA	
Automatic IRIS ; Connector	NA	
Lens Mount	Built-in Board Lens	
Lens, Angle of View (H)	Standard: f4.3mm/F2.0/63°, Option: f6.0mm/47.5°, f8.0mm/36.5°	
Water Resistance	IP67	
Max. Breaking Strength	NA	
Power Supply ; Consumption	12Vdc±10%; IR on:4.0W, IR off:2.0W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	72(DIA)x112(L)mm	
Net Weight	350g	
Accessories Option	Bracket:Standard with MTB-206	

*Specifications are unfixed and do not apply to customized projects. 120301

<http://www.shany.com>

SHANY
THE ELITE OF CCTV

Analog Camera

Car License Plate Camera series

Customer-oriented innovation



> Car License Plate Box Camera (Effio WDR II)

F02~F02

> Car License Plate Bullet Camera (Effio WDR II)

F03~F03

Car License Plate Camera (High Speed Capture, Low Light, Fog Reduction)

MTC-WD113EF-C MTC-WD113MEF-C

MTC-WD113EF-C, MTC-WD113MEF-C



FEATURES



Mechanical IR Cut Filter (ICR)

MTC-WD113MEF-C

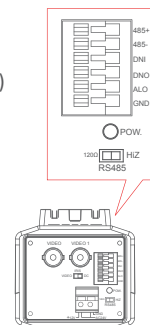
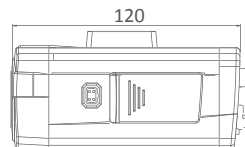
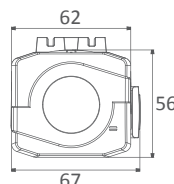


196 Step Manual Shutter and Self Defined Shutter Range
with Min. and Max. Shutter Speed Programmable

Sony Effio WDR II
680TVL

MTC-WD113EF-C, MTC-WD113MEF-C

- ◆ 1/3" Hyper Wide Dynamic Car License Plate Camera (Sony Effio WDR II)
- ◆ Color:680TVL, B/W:700TVL
- ◆ Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆ Powerful 512X WDR (54dB)
- ◆ Capturing Car License Plate Numbers at Night Speed: up to 60km/hr
- ◆ Shutter Modes (Auto, 196 Step Manual)
- ◆ Multi-Language OSD Control
- ◆ Fog Reduction ; High Light Compensation (HLC)
- ◆ 2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆ Digital Image Stabilizer (DIS) ; E-zoom Function (1~256x)
- ◆ Advanced Motion Detection Function
- ◆ Quadrangle Mosaic Privacy Mask



12Vdc/24Vac
Tol:±0.5 Unit:mm

SPECIFICATIONS

MTC-WD113EF-C		MTC-WD113MEF-C		
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II			
Number of Total Pixels	1020(H)x596(V)	1020(H)x508(V)	1020(H)x596(V)	1020(H)x508(V)
Resolution ; DSP	Color:680TVL, B/W:700TVL ; Sony Effio WDR II			
Minimum Illumination	Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, 0.005Lux@F1.2 (with ICR), Sense-up:0.0001Lux@F1.2			
Wide Dynamic Range	512x Normal Camera (54dB)			
Video Output	1.0Vp-p Composite, 75Ω (BNCx2)			
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)			
Gamma Correction	0.45			
Mechanical IR Cut Filter (ICR)	NA	Automatically Switches (Switching Lux Level can be adjusted)		
IR LED ; Working Distance	NA	Compatible with Infrared Illuminator		
Menu	OSD Control or by RS485 Control			
Title	TITLE (LOCATION)			
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)			
Digital Day&Night Mode	COLOR / B&W / AUTO / EXT			
Electronic Shutter	Auto Shutter: Self Defined Auto Shutter Speed Range Programmable, Manual Shutter: 196 Steps, 1/50, 1/60, 1/70, 1/80, 1/90, 1/100, 1/110, 1/120, 1/130, 1/140, 1/150, 1/160, 1/170, 1/180, 1/190, ... 1/1,950, 1/1,960, 1/1,970, 1/1,980, 1/1,990, 1/2,000 sec. (1 Step per 1/10sec.)			
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)			
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR			
WDR ; BLC ; Fog Reduction	WDR / FOG REDUCTION / BLC / OFF			
High Light Compensation	ON / OFF / AUTO			
Flickerless	ON / OFF			
Dynamic Noise Reduction	3D / 2D			
Sense Up	AUTO (Limit x2~x512) / OFF			
Digital Image Stabilizer	ON / OFF			
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE			
E-Zoom	x1~x256, Pan / Tilt Adjustable			
Motion Detection ; Privacy	ON / OFF (24x16 Zones, Alarm) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)			
Camera Control Interface	RS485 Interface OSD Control by Pelco-D, Pelco P			
Automatic IRIS ; Connector	VIDEO / DC ; D4 IRIS Jack			
Lens Mount	CS / C mount (With Adaptor Ring)			
Lens, Angle of View (H)	Lens Option: Please See the Page of Lens Series			
Water Resistance	NA			
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc/24Vac (10.8~39Vdc/24Vac) ; 2W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum: RH80% ; RH90%			
Dimensions	67(W)x56(H)x120(L)mm			
Net Weight	350g			
Accessories Option	Lens:SHV-3010DAI, SHV-IR7550DAI ; Bracket:MTB-101, MTB-102 ; Housing			

*Specifications are unfixed and do not apply to customized projects. 120301

<http://www.shany.com>

Car License Plate Pro Camera (D/N, Anti-Headlight, Parking Lot)



FEATURES



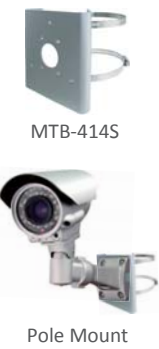
Mechanical IR Cut Filter (ICR)

3-axis Cable Management

Anti-Head Light at Parking Lot for Capturing Car License Plate of Retro-reflection
 f3.8mm~9.5mm: 2~6M (6.6~19.7Feet)
 f9.0mm~22.0mm: 6~13M (19.7~42.7Feet)

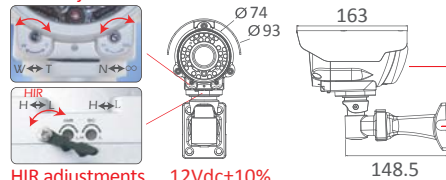
Sony Effio WDR 680TVL

Option:



MTB-4145 Pole Mount

External Varifocal Lens Adjustment



HIR adjustments, 12Vdc±10%, Option: Dual Voltage (12Vdc/24Vac), 148.5, 163, 30 LEDs Light Module, Cable with OSD button

MTC-WDL713EF-C

- ◆ 1/3" Car License Plate Pro Camera (Sony Effio WDR)
- ◆ Color: 680TVL, B/W: 700TVL, 0.00Lux (IR LEDs on at 2 Lux)
- ◆ Built-in Aspherical D/N Lens (f3.8~9.5mm/f9~22mm)
- ◆ Anti-Headlight: Capture Car License Plate with Strong Light
- ◆ Mechanical IR Cut Filter (ICR) for Clearer Images at Night
- ◆ Powerful 510X WDR (54dB)
- ◆ Multi-Language OSD Control ; High Light Compensation (HLC)
- ◆ 2D/3D Noise Reduction ; Sense Up (512x) Functions
- ◆ Digital Image Stabilizer (DIS) ; E-zoom Function (1~256x)
- ◆ Advanced Motion Detection Function ; Quadrangle Mosaic Privacy Mask
- ◆ External Varifocal Lens Adjustment ; Water Resistance: IP66
- ◆ Intelligent Light Sensor Control to Prevent Color or B/W Hunting

Tol: ±0.5 Unit: mm

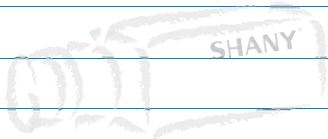
SPECIFICATIONS

MTC-WDL713EF-C		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels	1020(H)x596(V)	1020(H)x508(V)
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Effio WDR	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	510x Normal Camera (54dB)	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W mode < 2Lux, Color mode > 5Lux, B/W to Color mode, Switching Time: 3~5 min.)	
IR LED ; Working Distance	30 Units (IR LEDs on < 2Lux, IR LEDs off > 5Lux)	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)	
Digital Day&Night Mode	COLOR / B/W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), 1/120(100), 1/200, 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/3,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/100,000 sec.	
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR	
WDR ; BLC	WDR / BLC / OFF	
High Light Compensation	ON / OFF / AUTO	
Flickerless	ON / OFF	
Dynamic Noise Reduction	3D / 2D	
Sense Up	AUTO (Limit x2~x512) / OFF	
Digital Image Stabilizer	ON / OFF	
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE	
E-Zoom	x1~x256, Pan / Tilt Adjustable	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f3.8~9.5mm/F1.2 Aspherical D/N Lens/74.2~30.0°/2~6M(6.6~19.7Feet) ; Option: f9.0~22.0mm; 6~13M(19.7~42.7Feet)	
Water Resistance	IP66	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard: 12Vdc±10%; IR on: 5.5W, IR off: 2.5W, Option: 12Vdc/24Vac (10.8~39Vdc/24Vac); IR on: 6.0W, IR off: 3.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	93(DIA)x163(D)mm	
Net Weight	1,000g	
Accessories Option	Lens Option: f9.0~22.0mm/F1.4 Aspherical D/N Lens/22.9~13.0°/6~13M (19.7~42.7Feet) ; Pole Mount: MTB-4145	

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Memo

Lined area for writing the memo.



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Analog Camera

Accessories series

Accessories series



- | | |
|-----------------------|---------|
| > Bracket | G02~G02 |
| > Housing | G02~G02 |
| > Lens | G03~G03 |
| > Switch Power Supply | G04~G04 |

Bracket Series, Housing Series

Camera Bracket & Housing Bracket

Dome Camera Wall Mount Bracket

◆Part Number	MTB-201	MTB-413	MTB-504
◆Construction	ABS	Aluminum	Aluminum
◆Color	Ivory/Black	Gray/Silver	Ivory
◆Maximum Load	1Kg	10Kg	10Kg
◆Dimension LxHxD(mm)	200x130x150	235x162x140	198(DIA)x67(H)
◆Weight	400g	730g	290g
◆Application (Series)	Dome	Dome	Dome
◆Remark: Ceiling Top Plate is not attached			



Outdoor Housing

MTH-6000-IR80

◆IR LEDs	7 units
◆Construction:	Die-cast aluminum alloy with light ivory powder coated and stove finished
◆Dimension (W X H X D)	425mm x 160mm x 165mm
◆Installation (W X H X D)	200mm x 110mm x 115mm
◆Water Resistance	IP 66
◆Weight	5.23Kg



MTH-6000-IR120

◆IR LEDs	11 units
◆Construction:	Die-cast aluminum alloy with light ivory powder coated and stove finished
◆Dimension (W X H X D)	425mm x 160mm x 165mm
◆Installation (W X H X D)	200mm x 110mm x 115mm
◆Water Resistance	IP 66
◆Weight	5.23 Kg



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Lens Series

IR D/N Lens

SHV-IR2812DAI (Aspherical)

◆ Focus (mm)		2.8~12
◆ Aperture(F)		1.2
◆ Mount		CS
◆ Format		1/3"
◆ Hor. Angle	1/3"	N/A
of View(H)	1/4"	23.8° ~98.5°
◆ M.O.D		N/A
◆ Remark		IR DC Auto Iris



SHV-IR3085DAI (Aspherical)

◆ Focus (mm)		3.0~8.5
◆ Aperture(F)		1.0
◆ Mount		CS
◆ Format		1/3"
◆ Hor. Angle	1/3"	N/A
of View(H)	1/4"	33.5°~94.2°
◆ M.O.D		N/A
◆ Remark		IR DC Auto Iris



SHV-IR7550DAI (Aspherical)

◆ Focus (mm)		7.5~50
◆ Aperture(F)		1.3
◆ Mount		CS
◆ Format		1/3"
◆ Hor. Angle	1/3"	90.5° ~33.6°
of View(H)	1/4"	51.8° ~5.6°
◆ M.O.D		N/A
◆ Remark		IR DC Auto Iris



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Cable, Power Supply

Switch Power Supply (AC to DC)

ADA-12150

◆ AC Input Voltage (Vac)	100~240
◆ AC Input Frequency (Hz)	50~60
◆ AC Input Current (A)	0.5 (Max.)
◆ DC Output Voltage (Vdc)	12 (±5%)
◆ DC Output Current (A)	1.5
◆ Dimension (mm)	45x70x30 (Without Plug)
◆ Application (Country)	USA, Japan, Taiwan, etc.



USA, JP

ADA-12151

◆ AC Input Voltage (Vac)	100~240
◆ AC Input Frequency (Hz)	50~60
◆ AC Input Current (A)	0.5 (Max.)
◆ DC Output Voltage (Vdc)	12 (±5%)
◆ DC Output Current (A)	1.5
◆ Dimension (mm)	45x70x30 (Without Plug)
◆ Application (Country)	Germany, Europe, etc.



Europe

ADA-12152

◆ AC Input Voltage (Vac)	100~240
◆ AC Input Frequency (Hz)	50~60
◆ AC Input Current (A)	0.5 (Max.)
◆ DC Output Voltage (Vdc)	12 (±5%)
◆ DC Output Current (A)	1.5
◆ Dimension (mm)	45x70x30 (Without Plug)
◆ Application (Country)	UK, the Middle East, etc.



UK

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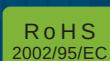
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