

SHANY

THE ELITE OF CCTV

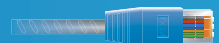
IP VIDEO SURVEILLANCE SOLUTION



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



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



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



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



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

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

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

1.0 Megapixel

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

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, WD81R36DNC
 Full D1, 0.1Lux, **36X**

A31



SNC-HD91R22DN, HD-82IR22DN
SNC-HD81R22DN, HD81R22DNC
 1.3 Megapixel, 0.1Lux, **22X**

A24



SNC-HD91R12DN, HD-82IR12DN
SNC-HD81R12DN, HD81R12DNC
 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

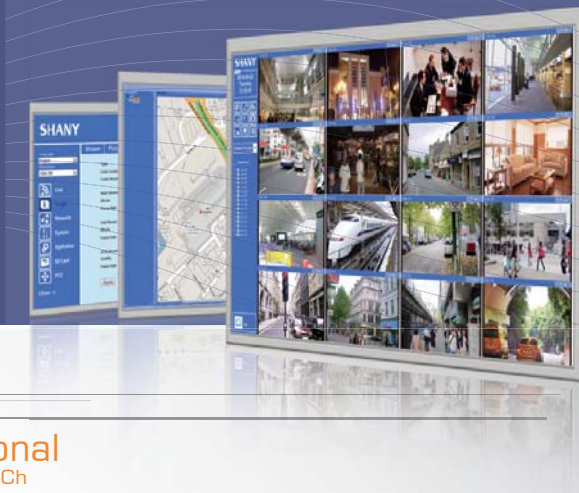


HDMI Cable
 HDMI-030RG/MM

A32

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



50+ Brand
Cameras



Support HD



27 Languages



64 CH



Intelligent
Search



Recording



Events



Alarm



Video
Enhancement



Multi-Channel
Playback



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

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SHANY

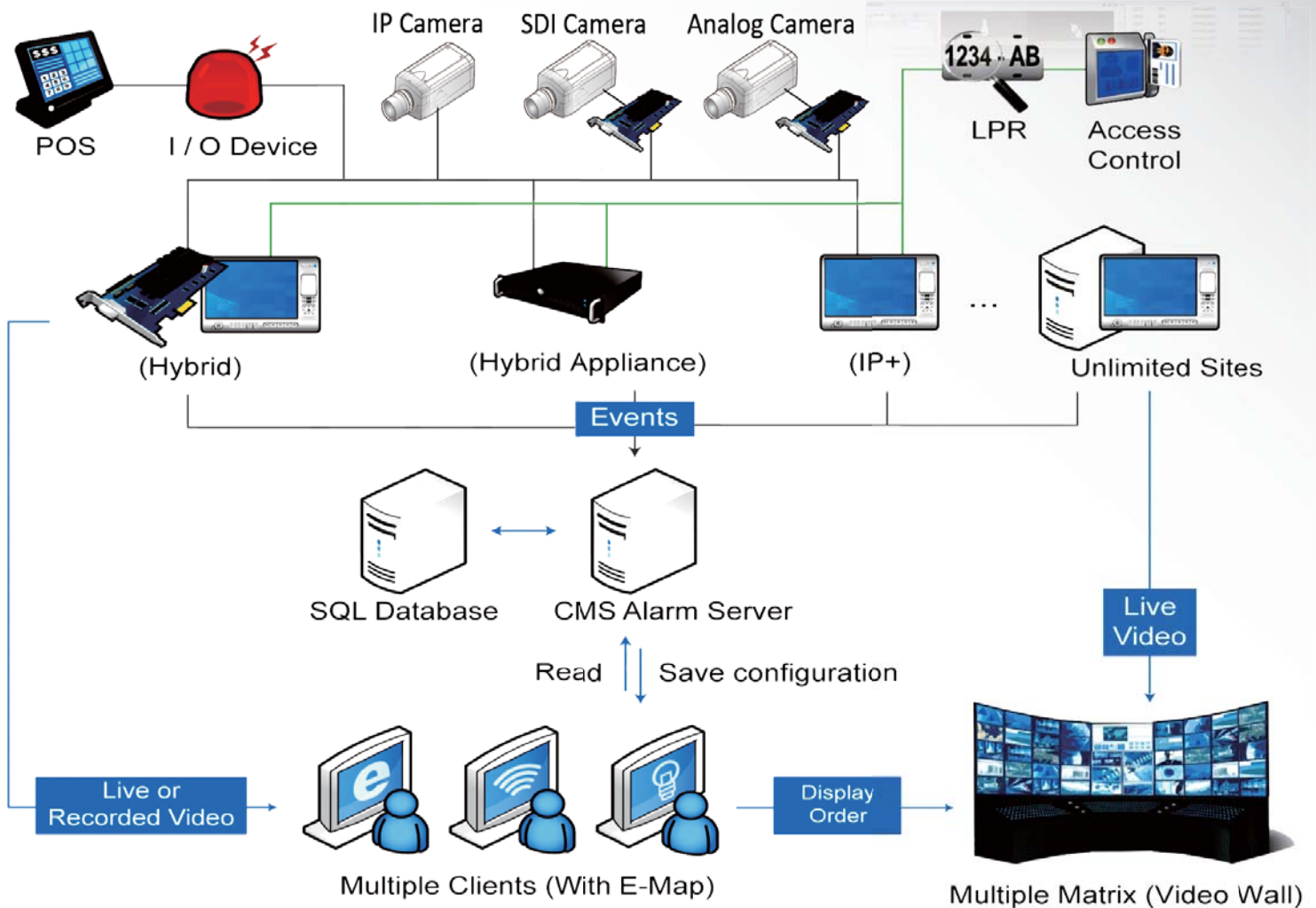
SHANY Central Management System (CMS) SNR-CMS1000-CENTER

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
Accessories Option	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-WD2312MDN



3.0MP CMOS Sensor



0.01 LUX



2D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast

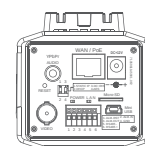
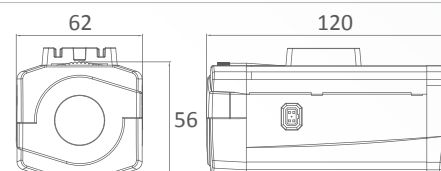


Support microSD/SDHC

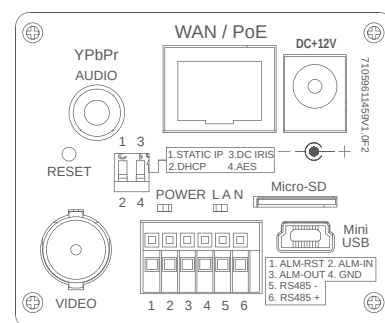


Support PoE

Dimensions



12Vdc / PoE



UNIT : mm / TOL : ±0.5

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



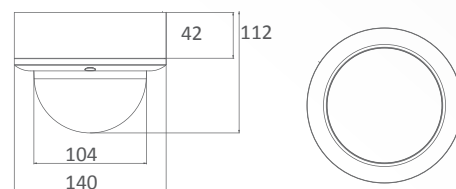
Features

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

Wide
Dynamic

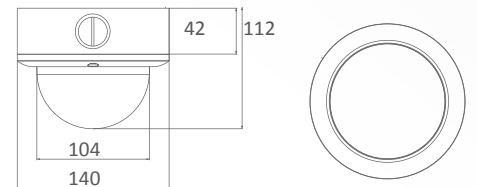


Features

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
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

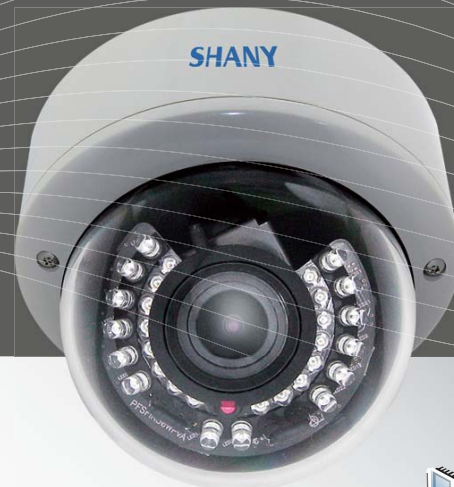


*Specifications are unfixed and do not apply to customized projects. 120301

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



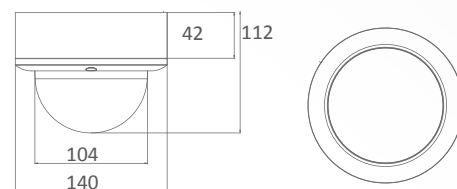
Features

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	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



UNIT : mm / TOL : ±0.5

ONVIF

*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



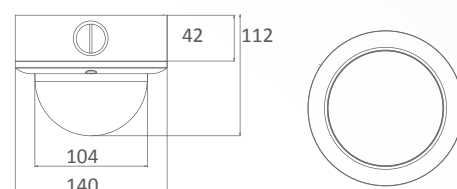
Features

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 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

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



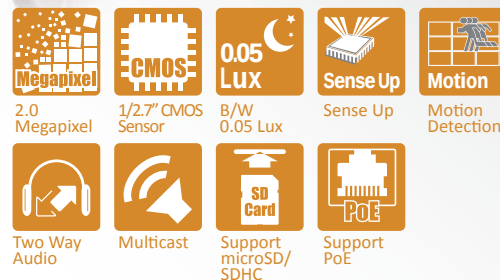
*Specifications are unfixed and do not apply to customized projects. 120301

2.0 Megapixel IP Box Camera SNC-2212DN

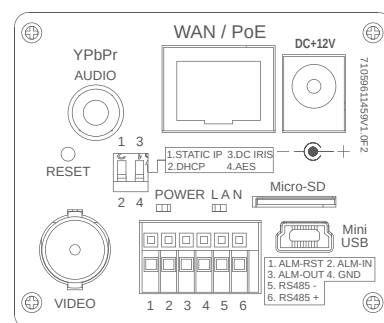
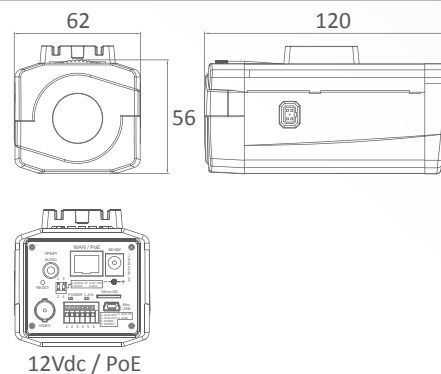
- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support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



UNIT : mm / TOL : ±0.5



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

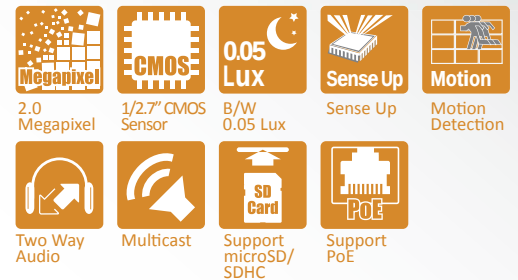
2.0 Megapixel IP Box Varifocal Camera SNC-2252DN

- 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

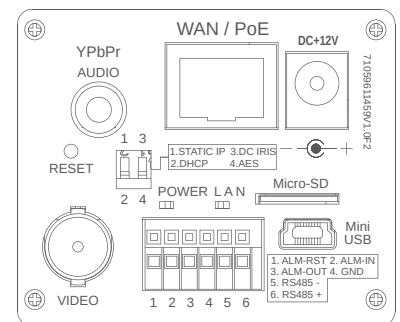
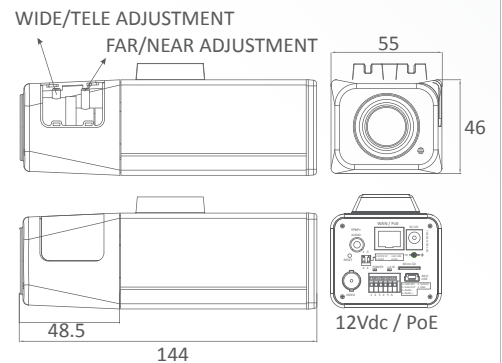


Features

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

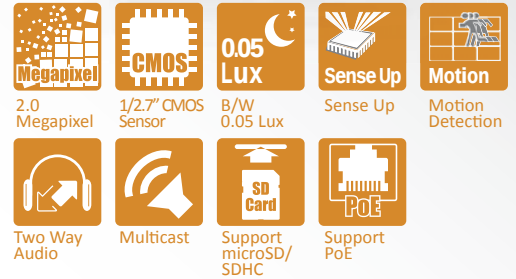
- 1/2.7" 2.0 Megapixel Progressive CMOS Sensor
- 1920(H)x1080(V) (1080P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.3, B/W:0.05Lux@F1.3, Sense-up:0.001Lux@F1.3
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support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



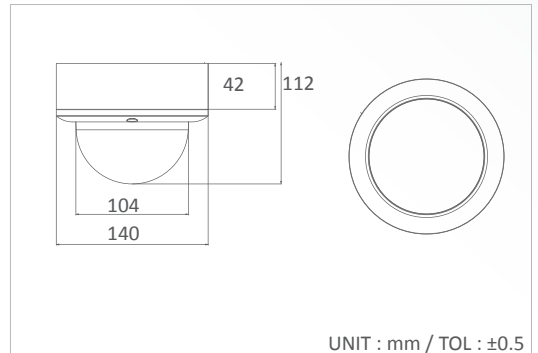
Features

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



Option



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



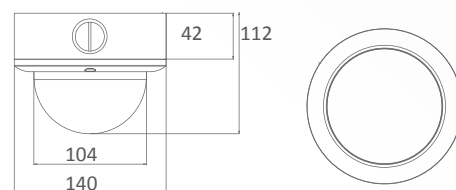
Features

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



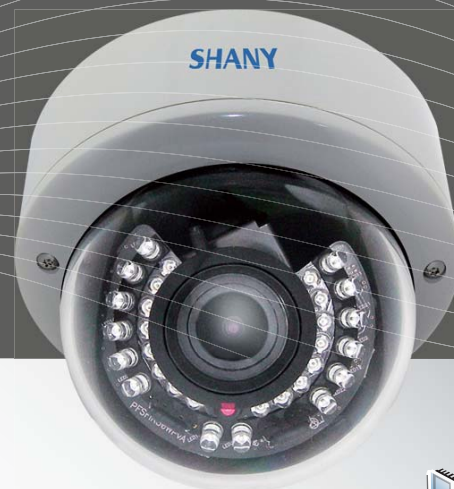
2.0 Megapixel IP IR Dome Camera (Indoor) SNC-L2222DN

- 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

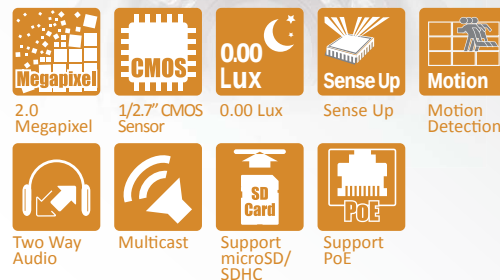
Features

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

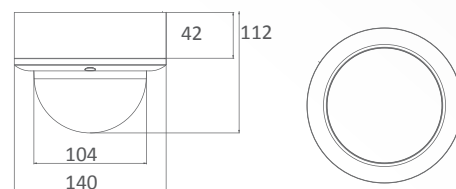
*Specifications are unfixed and do not apply to customized projects. 120301



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



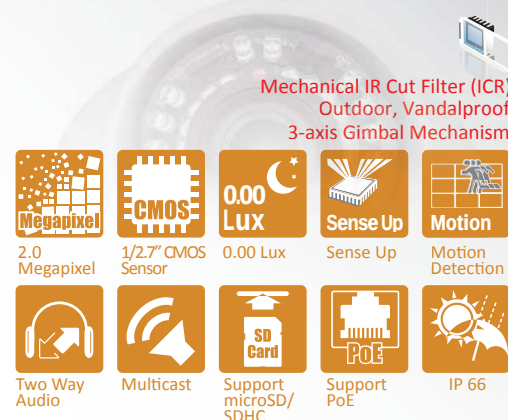
2.0 Megapixel IP IR Vandalproof Camera (Outdoor) SNC-L2232DN

- 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

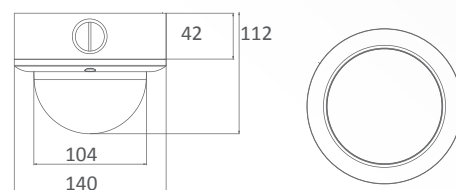


Features

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
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	140(DIA)x112(H)mm
	Net Weight	1,000g
	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



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

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



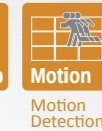
0.01 LUX
B/W 0.01 Lux



2D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast

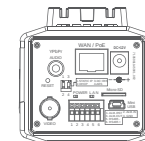
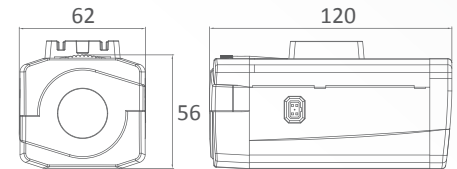


Support microSD/SDHC

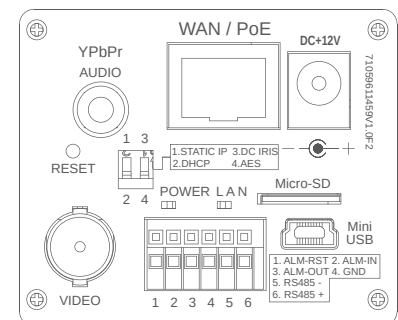


Support PoE

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

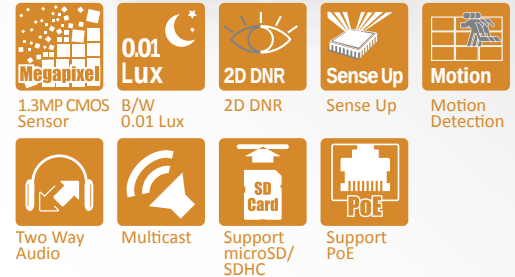
Wide
Dynamic



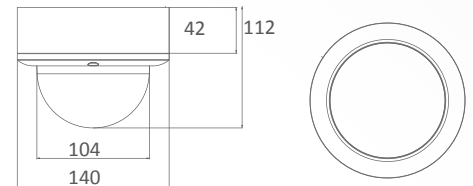
Features

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
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)	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

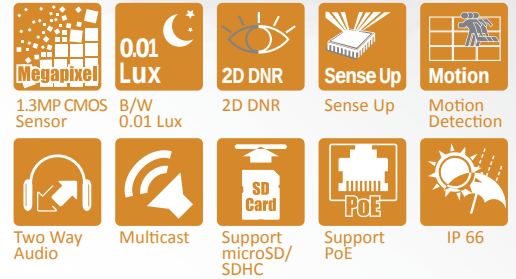
Wide
Dynamic



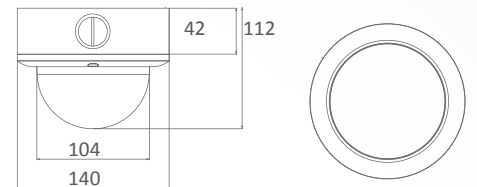
Features

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

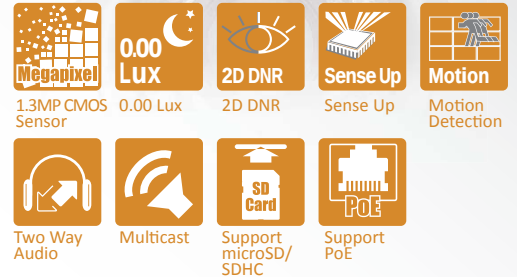
Wide
Dynamic



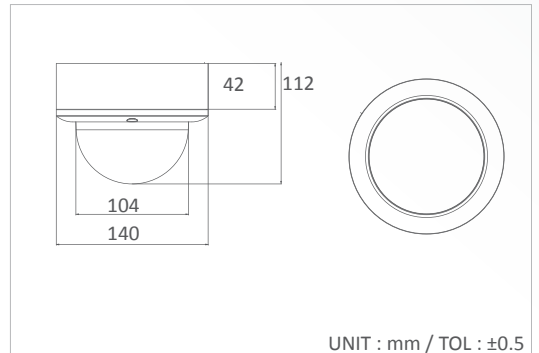
Features

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



Option



ONVIF

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

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

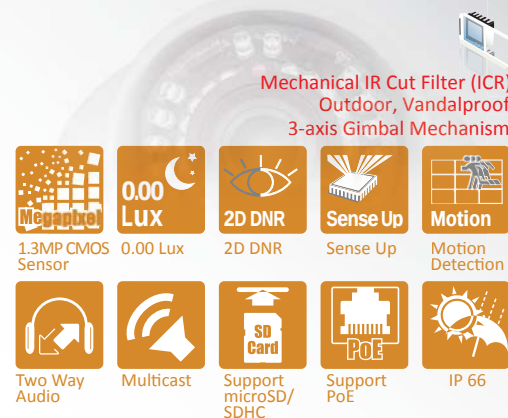
- Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
- 1280(H)x1024(V) (SXGA) ; H.264, MPEG4, M-JPEG
- 0.00Lux (IR LEDs on at 2 Lux)
- 2D Noise Reduction & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support 12Vdc / PoE Power Input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

Wide
Dynamic

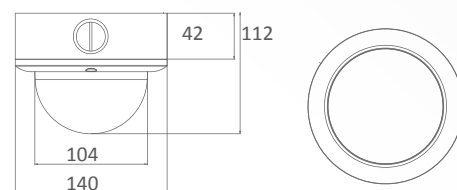


Features

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



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5

ONVIF

*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

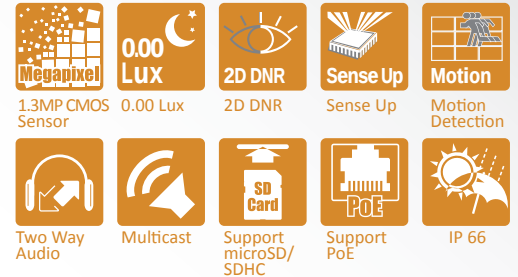


Features

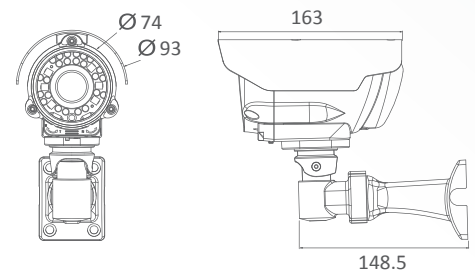
Video	Image Sensor	Sony 1 / 3" 1.3 Megapixel Progressive Exmor™ CMOS Sensor
	Highest Resolution	1280(H)x1024(V) (SXGA)
	Video Resolution	1280x960, 1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	0.00Lux
	Digital Wide Dynamic 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

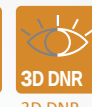
Mechanical IR Cut Filter (ICR)



1.3MP CMOS Sensor



B/W 0.05 Lux



3D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast



Home Function

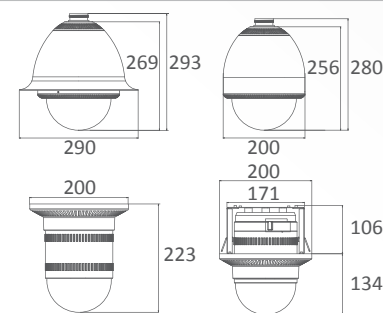


255 Preset Points



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

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
	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
Function	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
	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
Network	Privacy Zone Mask	ON / OFF (24 Zones Programmable, Mosaic)
	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
Control	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
	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.
General	Pan, Tilt Accuracy	±0.02°
	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
	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

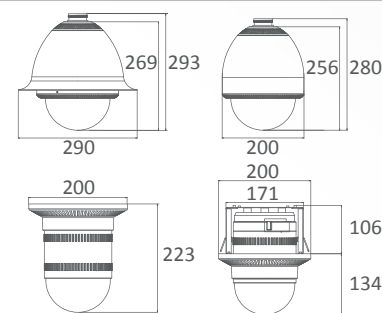


255 Preset Points



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

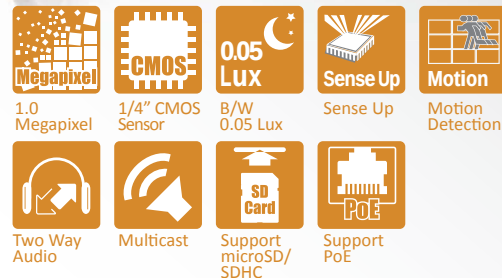
- 1/4" 1.0 Megapixel Progressive CMOS Sensor
- 1280(H)x720(V) (720P) ; H.264, MPEG4, M-JPEG
- Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
- Shutter Mode (Auto/Manual) & Sense Up
- Motion Detection & Alarm Trigger
- Two-way Audio & Support Multicast
- Support Micro SD/SDHC Card
- Support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

Features

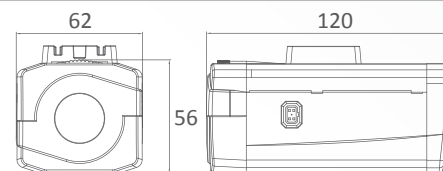
Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
	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



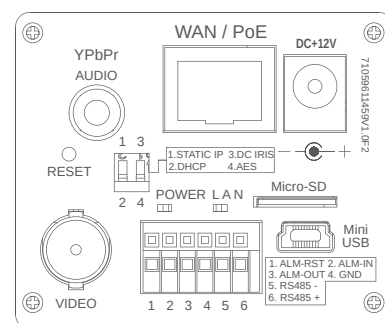
Mechanical IR Cut Filter (ICR)
SNC-2110MDN



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

Features

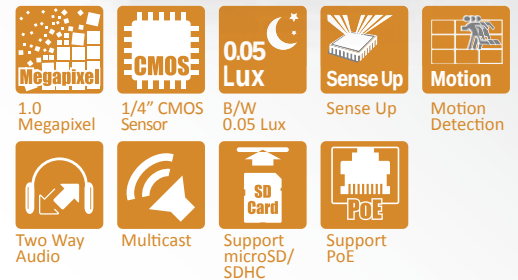
Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
	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

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

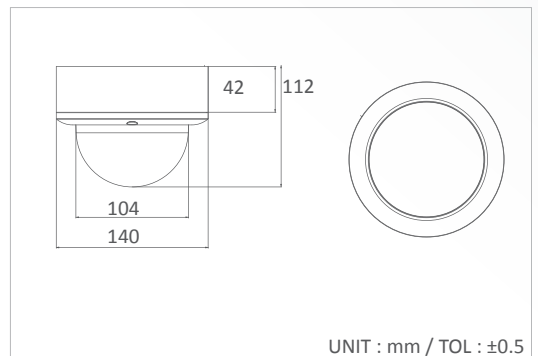


4X ZOOM

Indoor, Plastic



Dimensions



Option



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

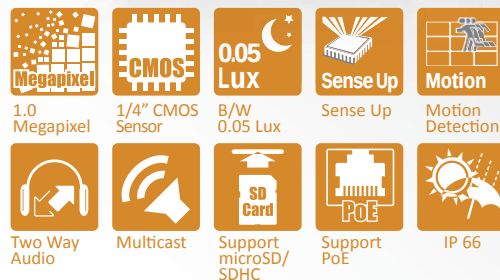
Video	Image Sensor	1/4" 1.0 Megapixel Progressive CMOS Sensor
	Highest Resolution	1280(H)x720(V) (720P)
	Video Resolution	1280x720, 720x480
	Video Frame Rate	Up to 30fps for All Video
	Video Compression	H.264, MPEG4, M-JPEG
	Minimum Illumination	Color:0.2Lux@F1.2, B/W:0.05Lux@F1.2, Sense-up:0.001Lux@F1.2
	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

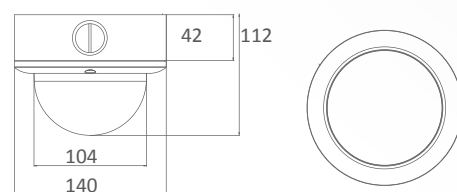


4X ZOOM

Outdoor, Vandalproof



Dimensions



UNIT : mm / TOL : ±0.5

Option



MTB-413
Wall Mount

MTB-504
Ceiling Mount

UNIT : mm / TOL : ±0.5



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

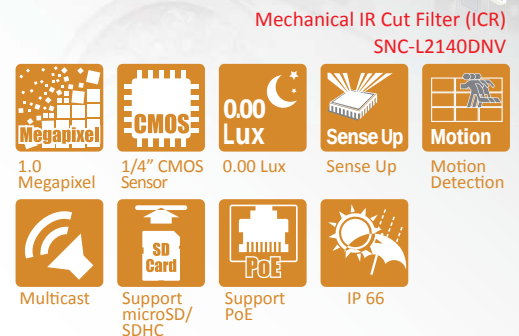
4X ZOOM



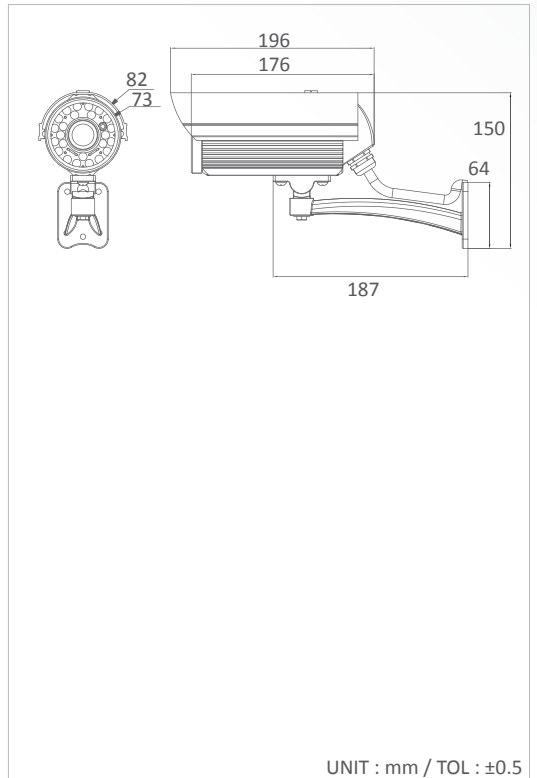
Features

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
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 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
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

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



Dimensions



UNIT : mm / TOL : ±0.5



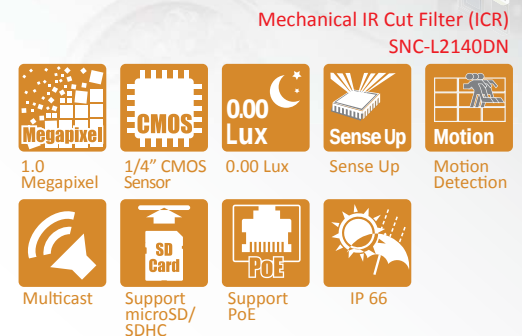
1.0 Megapixel IP IR Bullet Camera SNC-L2140DN

- 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

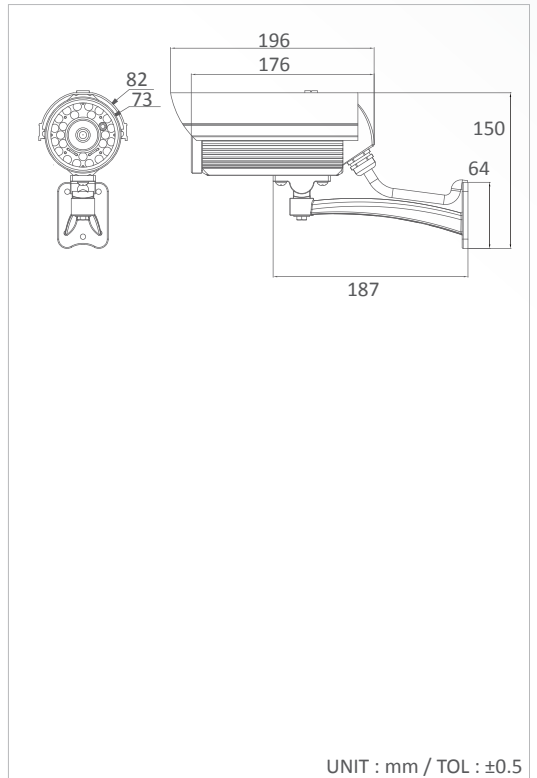


Features

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
	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
	Controls	PAN / TILT, LENS
	Auto Pan	Yes
	Tour Pattern	1 Group (accommodates preset #1~#10)
Control	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
	Connector	BNC (Composite Video Out) / RJ-45 / Power
General	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)



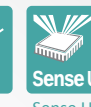
1/4" CCD Sensor



B/W 0.05 Lux



3D DNR



Sense Up



Motion Detection



Two Way Audio



Multicast



Home Function

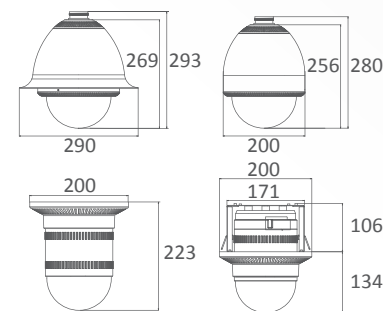


255 Preset Points



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)



SHV-3M04NI

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-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