

SHANY
THE ELITE OF CCTV

Analog Camera

Speed Dome series

Customer-oriented innovation



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

610TVL WDR Analog Speed Dome Camera (36X)

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

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



FEATURES



Mechanical IR Cut Filter (ICR)



MZC-WD91IR36DN



MZC-WD82IR36DN



MZC-WD81IR36DNC



MZC-WD81IR36DNS

Option:



MTB-901A, MTB-901B
Ceiling Mount



MTB-902
Wall Mount



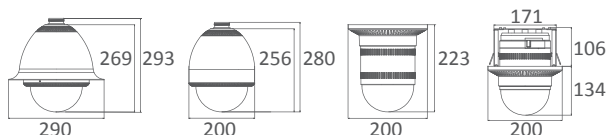
MTB-904
Corner Mount



MTB-905
Pole Mount

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

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



Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

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

MZC-WD1036H

MZC-WD1036H



FEATURES

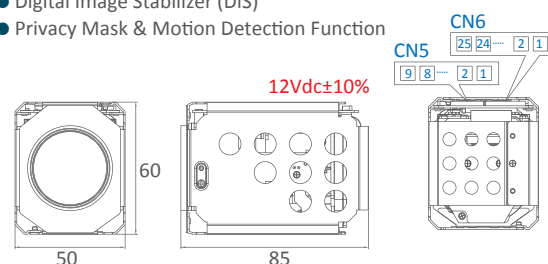


Mechanical IR Cut Filter (ICR)



MZC-WD1036H

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



Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Speed Dome Camera Controller

MCU-PTZ071

(USB Controller)

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



MCU-PTZ091

(3D Controller)

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



Joystick & Lens Control
Keypad Unit Exchangeable

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SHANY
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Analog Camera

WDR Camera series

Customer-oriented innovation



> Hyper Wide Dynamic Camera (WDR III)

D01~D10

> Hyper Wide Dynamic Camera (WDR II)

D11~D14

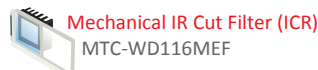
Hyper Wide Dynamic Box Camera (Effio WDR III)

MTC-WD116EF
MTC-WD116MEF

MTC-WD116EF, MTC-WD116MEF



FEATURES



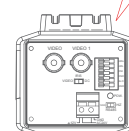
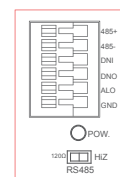
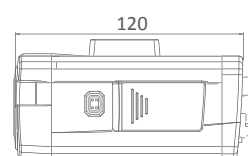
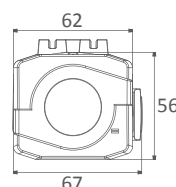
Mechanical IR Cut Filter (ICR)

MTC-WD116MEF

Sony Effio WDR III
680TVL

MTC-WD116EF, MTC-WD116MEF

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



12Vdc/24Vac

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic Box Camera (Effio WDR III)

MTC-WD115EF MTC-WD115MEF

MTC-WD115EF, MTC-WD115MEF



FEATURES



Mechanical IR Cut Filter (ICR)

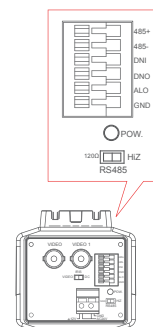
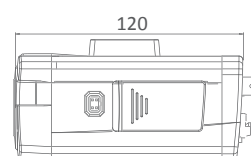
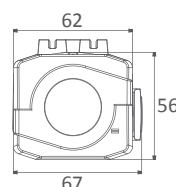
MTC-WD115MEF



Sony Effio WDR III
610TVL

MTC-WD115EF, MTC-WD115MEF

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



12Vdc/24Vac
Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic Dome Camera (Effio WDR III)

MTC-WD216EF
MTC-WD216MEF

MTC-WD216EF, MTC-WD216MEF



FEATURES

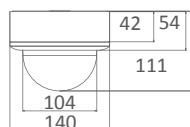
Mechanical IR Cut Filter (ICR)
MTC-WD216MEFIndoor, Plastic
3-axis Gimbal Mechanism

Option:

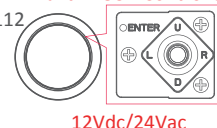
Light Sensor
MTC-WD216MEFSony Effio WDR III
680TVLMTB-201
Wall MountMTB-504
Ceiling Mount

MTC-WD216EF, MTC-WD216MEF

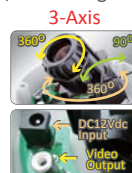
- ◆1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆Color:680TVL, B/W:700TVL
- ◆Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆Powerful 1024X WDR (60dB)
- ◆Multi-Language OSD Control
- ◆196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆Fog Reduction ; High Light Compensation (HLC)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



Built-in OSD Controller



12Vdc/24Vac

Dual Voltage
Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic Dome Camera (Effio WDR III)

MTC-WD215EF MTC-WD215MEF

MTC-WD215EF, MTC-WD215MEF



FEATURES



Mechanical IR Cut Filter (ICR)
MTC-WD215MEF

Indoor, Plastic
3-axis Gimbal Mechanism

Option:



Light Sensor
MTC-WD215MEF

Sony Effio WDR III
610TVL



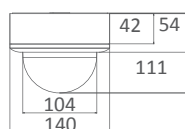
MTB-201
Wall Mount



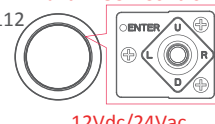
MTB-504
Ceiling Mount

MTC-WD215EF, MTC-WD215MEF

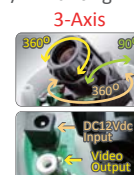
- ◆1/3" Hyper Wide Dynamic Color Camera (Sony Effio WDR III)
- ◆Color:610TVL, B/W:630TVL
- ◆Color:0.03Lux@F1.2, B/W:0.01Lux@F1.2, Sense-up:0.0001Lux@F1.2
- ◆Powerful 512X WDR (54dB)
- ◆Multi-Language OSD Control
- ◆196 Step Shutters (SCHEDULE / DAY&NIGHT)
- ◆Fog Reduction ; High Light Compensation (HLC)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



Built-in OSD Controller



12Vdc/24Vac



Dual Voltage
Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic Vandalproof Camera (Effio WDR III)

MTC-WD516EF
MTC-WD516MEF

MTC-WD516EF, MTC-WD516MEF



FEATURES

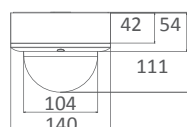
Mechanical IR Cut Filter (ICR)
MTC-WD516MEFOutdoor, Vandalproof
3-axis Gimbal Mechanism

Option:

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

MTC-WD516EF, MTC-WD516MEF

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

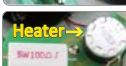


Built-in OSD Controller



12Vdc/24Vac

Dual Voltage

Option: Heater
Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic Vandalproof Camera (Effio WDR III)

MTC-WD515EF MTC-WD515MEF

MTC-WD515EF, MTC-WD515MEF



FEATURES



Mechanical IR Cut Filter (ICR)
MTC-WD515MEF

Outdoor, Vandalproof
3-axis Gimbal Mechanism

Option:



Light Sensor
MTC-WD515MEF

Sony Effio WDR III
610TVL



MTB-413
Wall Mount



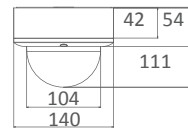
MTB-504
Ceiling Mount



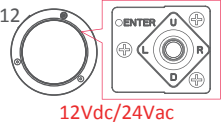
S-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-WD515EF, MTC-WD515MEF

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



Built-in OSD Controller



12Vdc/24Vac

Dual Voltage



Option: Heater
Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic IR Dome Camera (Effio WDR III)

MTC-WDL216EF
MTC-WDL215EF

MTC-WDL216EF, MTC-WDL215EF



FEATURES



Mechanical IR Cut Filter (ICR)

Indoor, Plastic

3-axis Gimbal Mechanism

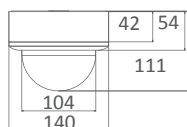
Sony Effio WDR III
680/610TVL

Option:

MTB-201
Wall MountMTB-504
Ceiling Mount

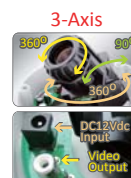
MTC-WDL216EF, MTC-WDL215EF

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



Built-in OSD Controller

12Vdc/24Vac

Dual Voltage
Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

<http://www.shany.com>

Hyper Wide Dynamic IR Vandalproof Camera (Effio WDR III)

MTC-WDL516EF
MTC-WDL515EF

MTC-WDL516EF, MTC-WDL515EF



FEATURES



Mechanical IR Cut Filter (ICR)

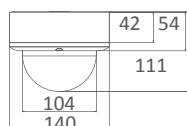
Outdoor, Vandalproof
3-axis Gimbal Mechanism

Option:

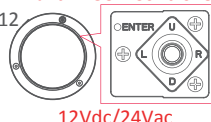
Sony Effio WDR III
680/610TVLMTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-WDL516EF, MTC-WDL515EF

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

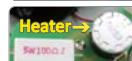
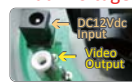


Built-in OSD Controller



12Vdc/24Vac

Dual Voltage

Option: Heater
Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic IR Bullet Camera (Effio WDR III)

MTC-WDL716EF

MTC-WDL716EF



FEATURES



Mechanical IR Cut Filter (ICR)

3-axis Cable Management

Option:



MTB-414S

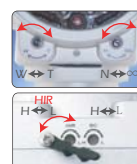


Pole Mount

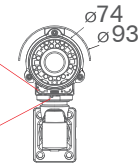
Sony Effio WDR III
680TVL

MTC-WDL716EF

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

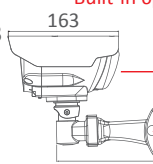


HIR adjustments



12Vdc±10%

Option: Dual Voltage (12Vdc/24Vac)

Light Module
Built-in 6pcs 6x6mm HP LEDCable with
OSD button

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic Box Camera (Effio WDR)

MTC-WD113EF MTC-WD113MEF

MTC-WD113EF, MTC-WD113MEF



FEATURES

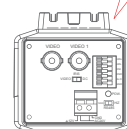
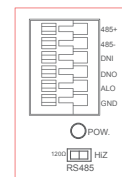
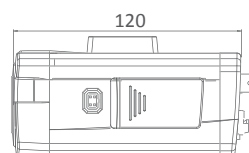
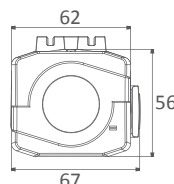
Mechanical IR Cut Filter (ICR)
MTC-WD113MEF



Sony Effio WDR
680TVL

MTC-WD113EF, MTC-WD113MEF

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



12Vdc/24Vac

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic Dome Camera (Effio WDR)

MTC-WD213EF
MTC-WD213MEF

MTC-WD213EF, MTC-WD213MEF



FEATURES

Mechanical IR Cut Filter
MTC-WD213MEF

3-Axis Gimbal Mechanism
Indoor, Plastic



Light Sensor
MTC-WD213MEF

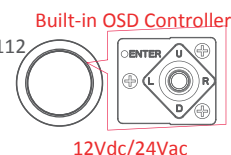
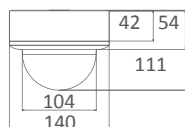
Sony Effio WDR
680TVL

Option:

MTB-201
Wall MountMTB-504
Ceiling Mount

MTC-WD213EF, MTC-WD213MEF

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



12Vdc/24Vac



Dual Voltage

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper Wide Dynamic IR Dome Camera (Effio WDR)

MTC-WDL213EF

FEATURES

MTC-WDL213EF



Mechanical IR Cut Filter

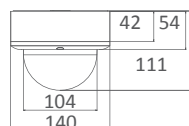
3-Axis Gimbal Mechanism
Indoor, Plastic

Option:

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

MTC-WDL213EF

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



Built-in OSD Controller

12Vdc/24Vac



Dual Voltage

Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

Hyper WD IR Vandalproof Camera (Effio WDR)

MTC-WDL513EF

MTC-WDL513EF



FEATURES



Mechanical IR Cut Filter

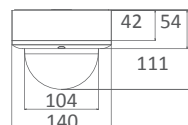
3-Axis Gimbal Mechanism

Option:

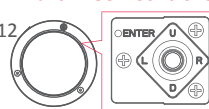
Sony Effio WDR
680TVLMTB-413
Wall MountMTB-504
Ceiling MountS-FZS26
Thread Metal Flexible
Conduit Fittings

MTC-WDL513EF

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



Built-in OSD Controller



12Vdc/24Vac

Dual Voltage



Option:Heater

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

SHANY
THE ELITE OF CCTV

Analog Camera

Camera series

Customer-oriented innovation



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

<http://www.shany.com>

Digital WDR Box Camera (Sony Effio-E)

MTC-113EF, MTC-113MEF

FEATURES



Mechanical IR Cut Filter (ICR)
MTC-113MEF



MTC-113EF

MTC-113MEF

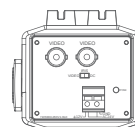
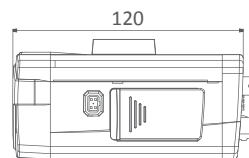
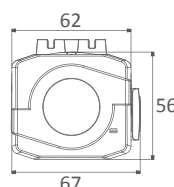
Digital WDR
680TVL

MTC-113EF, MTC-113MEF



MTC-113EF, MTC-113MEF

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



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

SPECIFICATIONS

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

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

<http://www.shany.com>

Digital WDR Varifocal Box Camera (Sony Effio-E)

MTC-413EF

FEATURES



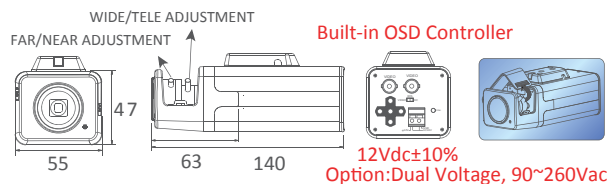
Digital WDR
680TVL

MTC-413EF



MTC-413EF

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



Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

Digital WDR Varifocal Dome Camera (Sony Effio-E)

MTC-213EF

FEATURES

MTC-213EF



3-Axis Gimbal Mechanism



Digital WDR
680TVL

Option:



MTB-201



Wall Mount



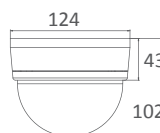
MTB-503



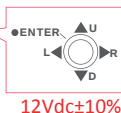
Ceiling Mount

MTC-213EF

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



Built-in OSD Controller



12Vdc±10%



Option: Dual Voltage

Tol: ±0.5 Unit: mm

SPECIFICATIONS

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

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

Digital WDR Dome Camera (Sony Effio-E)

MTC-808DEF

FEATURES



Digital WDR
610TVL

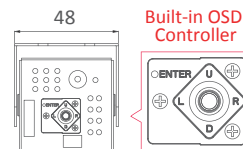
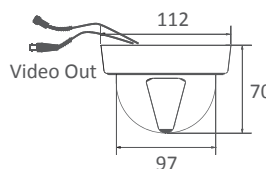
MTC-808DEF



MTC-808DEF

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

DC Jack 12Vdc±10%



Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

Digital WDR Vandalproof Camera (Sony Effio-E)

MTC-513EF

FEATURES

MTC-513EF



Digital WDR
680TVL

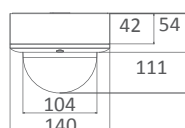
3-Axis Gimbal Mechanism

Option:

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

MTC-513EF

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



Built-in OSD Controller



12Vdc±10%

Option: Dual Voltage



Option: Heater

Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

<http://www.shany.com>

Digital WDR Indoor IR Camera (Sony Effio-E)

MTC-L413EF

FEATURES



Mechanical IR Cut Filter



Digital WDR
680TVL

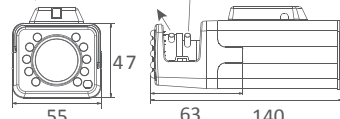
MTC-L413EF



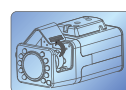
MTC-L413EF

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

WIDE/TELE ADJUSTMENT
FAR/NEAR ADJUSTMENT



Built-in OSD Controller



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

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Digital WDR IR Dome Camera (Sony Effio-E)

MTC-L213EF

FEATURES



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



Digital WDR
680TVL

MTC-L213EF



Option:



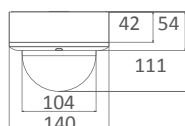
MTB-201
Wall Mount



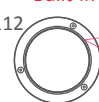
MTB-504
Ceiling Mount

MTC-L213EF

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



Built-in OSD Controller



12Vdc±10%



Option: Dual Voltage

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Digital WDR Vandalproof IR Camera (Sony Effio-E)

MTC-L513EF

FEATURES



Mechanical IR Cut Filter

3-Axis Gimbal Mechanism

Option:

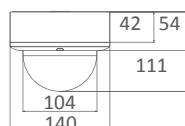


Digital WDR
680TVL

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

MTC-L513EF

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



Built-in OSD Controller



12Vdc±10%

Option: Dual Voltage



Option: Heater

Tol: ±0.5 Unit:mm

SPECIFICATIONS

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

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

Digital WDR Outdoor IR Camera (Sony Effio-E)

MTC-L713EF

FEATURES



Option:

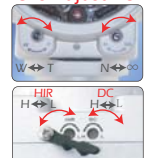


MTB-414S
Pole Mount

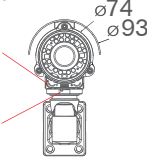
MTC-L713EF

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

External Varifocal Lens Adjustment



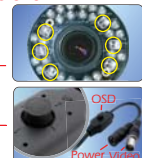
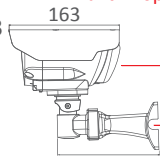
DC Level & HIR adjustments



12Vdc±10%

Option: Dual Voltage (12Vdc/24Vac)

Built-in 6pcs 6x6mm HP LED



Cable with OSD button

Tol: ±0.5 Unit: mm

SPECIFICATIONS

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

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

Digital WDR Outdoor IR Camera (Sony Effio-E)

MTC-L613EF

FEATURES



Mechanical IR Cut Filter



Digital WDR
680TVL

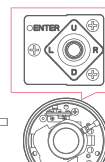
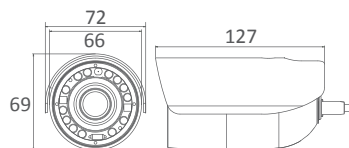
MTC-L613EF



MTC-L613EF

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

Built-in OSD Controller Wall Mount



12Vdc±10%



Light Module
Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

Digital WDR Outdoor IR Camera (Sony Effio-E)

MTC-L632EF

FEATURES



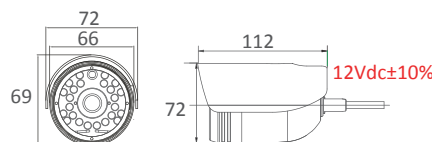
Digital WDR
610TVL

MTC-L632EF



MTC-L632EF

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



Wall Mount



Light Module

Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

<http://www.shany.com>

SHANY
THE ELITE OF CCTV

Analog Camera

Car License Plate Camera series

Customer-oriented innovation



> Car License Plate Box Camera (Effio WDR II)

F02~F02

> Car License Plate Bullet Camera (Effio WDR II)

F03~F03

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

MTC-WD113EF-C MTC-WD113MEF-C

MTC-WD113EF-C, MTC-WD113MEF-C



FEATURES



Mechanical IR Cut Filter (ICR)

MTC-WD113MEF-C

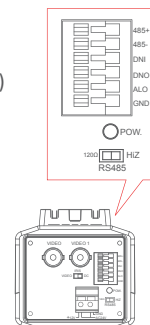
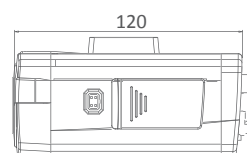
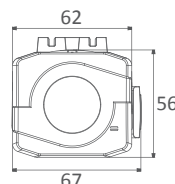


196 Step Manual Shutter and Self Defined Shutter Range
with Min. and Max. Shutter Speed Programmable

Sony Effio WDR II
680TVL

MTC-WD113EF-C, MTC-WD113MEF-C

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



12Vdc/24Vac
Tol:±0.5 Unit:mm

SPECIFICATIONS

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

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

<http://www.shany.com>

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



FEATURES



Mechanical IR Cut Filter (ICR)



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

Preliminary

3-axis Cable
ManagementSony Effio WDR
680TVL

Option:



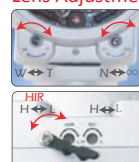
MTB-414S



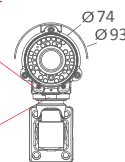
Pole Mount

MTC-WDL713EF-C

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

External Varifocal
Lens Adjustment

HIR adjustments

12Vdc±10%
Option: Dual Voltage (12Vdc/24Vac)30 LEDs
Light ModuleCable with
OSD button

Tol: ±0.5 Unit: mm

SPECIFICATIONS

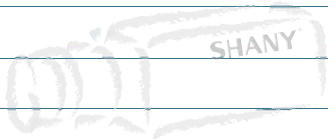
MTC-WDL713EF-C		
TV System	PAL	NTSC
Image Sensor	1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels	1020(H)x596(V)	1020(H)x508(V)
Resolution ; DSP	Color: 680TVL, B/W: 700TVL ; Sony Effio WDR	
Minimum Illumination	0.00Lux	
Wide Dynamic Range	510x Normal Camera (54dB)	
Video Output	1.0Vp-p Composite, 75Ω (BNC)	
Signal to Noise Ratio (S/N)	More than 55dB (AGC off)	
Gamma Correction	0.45	
Mechanical IR Cut Filter (ICR)	Automatically Switches (B/W mode < 2Lux, Color mode > 5Lux, B/W to Color mode, Switching Time: 3~5 min.)	
IR LED ; Working Distance	30 Units (IR LEDs on < 2Lux, IR LEDs off > 5Lux)	
Menu	OSD Control	
Title	TITLE (LOCATION)	
Synchronizing System	INTERNAL / LINE LOCK (AC Version Only)	
Digital Day&Night Mode	COLOR / B/W / AUTO	
Electronic Shutter	AUTO (1/50(60)~1/100,000 sec.) / MANUAL: 1/50(60), 1/120(100), 1/200, 1/250, 1/300, 1/350, 1/400, 1/450, 1/500, 1/600, 1/750, 1/1,000, 1/1,500, 1/2,000, 1/3,000, 1/4,000, 1/10,000, 1/30,000, 1/60,000, 1/100,000 sec.	
Automatic Gain Control	0~200 Levels (Adjustable Level Settings)	
White Balance	ATW / AWB / PUSH LOCK / MANUAL / 3200K / 6300K / ANTI CR	
WDR ; BLC	WDR / BLC / OFF	
High Light Compensation	ON / OFF / AUTO	
Flickerless	ON / OFF	
Dynamic Noise Reduction	3D / 2D	
Sense Up	AUTO (Limit x2~x512) / OFF	
Digital Image Stabilizer	ON / OFF	
Language	ENGLISH / TRADITIONAL CHINESE / SIMPLIFIED CHINESE	
E-Zoom	x1~x256, Pan / Tilt Adjustable	
Motion Detection ; Privacy	ON / OFF (24x16 Zones) ; ON / OFF (15 Zones Programmable, Quadrangle Mosaic)	
Camera Control Interface	NA	
Automatic IRIS ; Connector	DC	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens, Angle of View (H)	f3.8~9.5mm/F1.2 Aspherical D/N Lens/74.2~30.0°/2~6M(6.6~19.7Feet) ; Option: f9.0~22.0mm; 6~13M(19.7~42.7Feet)	
Water Resistance	IP66	
Max. Breaking Strength	NA	
Power Supply ; Consumption	Standard: 12Vdc±10%; IR on: 5.5W, IR off: 2.5W, Option: 12Vdc/24Vac (10.8~39Vdc/24Vac); IR on: 6.0W, IR off: 3.5W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C	
Operation ; Storage Humidity	Maximum: RH80% ; RH90%	
Dimensions	93(DIA)x163(D)mm	
Net Weight	1,000g	
Accessories Option	Lens Option: f9.0~22.0mm/F1.4 Aspherical D/N Lens/22.9~13.0°/6~13M (19.7~42.7Feet) ; Pole Mount: MTB-414S	

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

Memo

Lined area for writing notes.

F
License Plate Camera



SHANY
THE ELITE OF CCTV

Analog Camera

Accessories series

Accessories series



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

Bracket Series, Housing Series

Camera Bracket & Housing Bracket

Dome Camera Wall Mount Bracket

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



Outdoor Housing

MTH-6000-IR80

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



MTH-6000-IR120

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



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



Lens Series

IR D/N Lens

SHV-IR2812DAI (Aspherical)

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



SHV-IR3085DAI (Aspherical)

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



SHV-IR7550DAI (Aspherical)

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



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

Cable, Power Supply

Switch Power Supply (AC to DC)

ADA-12150

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



USA, JP

ADA-12151

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



Europe

ADA-12152

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



UK

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

