

# Digital WDR Vandalproof Camera (Sony Effio-E)

**MTC-513EF**  
**MTC-513MEF**

MTC-513EF, MTC-513MEF



**FEATURES**

Mechanical IR Cut Filter (ICR)  
MTC-513MEF

3-Axis Gimbal Mechanism

Option:

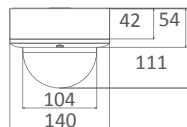
## MTC-513EF, MTC-513MEF

- ◆ 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)
- ◆ Multi-Language OSD Control
- ◆ Powerful 128X D-WDR
- ◆ Anti-Headlight (HLC)
- ◆ 2D Noise Reduction
- ◆ Smart IR Light Control
- ◆ Motion Detection Function ; Mosaic Privacy Mask
- ◆ Picture Quality Adjustable (Contrast/Sharpness/Hue/Gain)
- ◆ Built-in Varifocal Lens & Unique 3-Axis Gimbal Mechanism
- ◆ Water Resistance: IP66 ; Breaking Strength: 656.1Kg
- ◆ Intelligent Light Sensor Control to Prevent Color or B/W Hunting (MTC-513MEF)

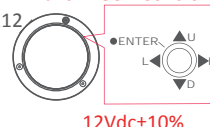


Light Sensor  
MTC-513MEF

Digital WDR  
680TVL



Built-in OSD Controller



12Vdc±10%

Option: Dual Voltage



Option: Heater  
Tol: ±0.5 Unit:mm

**SPECIFICATIONS**

	MTC-513EF		MTC-513MEF	
	PAL	NTSC	PAL	NTSC
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony 960H Super HAD CCD II		1/3" Sony 960H EXview HAD CCD II	
Number of Total Pixels (CCD)	1020(H)x596(V)	1020(H)x508(V)	1020(H)x596(V)	1020(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 / 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	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 Kg			
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 unfixd and do not apply to customized projects. 120607