

DM1200FC-U-IL

2MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera

HDCVI



Functions

Smart Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of AI XVR detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR light to significantly reduce light pollution.

Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes. Wide voltage: The camera has $\pm 30\%$ input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

* Audio input is available for select HDCVI camera models.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in laboratory.

Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Camera					
Image Sensor	2 MP CMOS				
Max. Resolution	1920 (H) × 1080 (V)				
Scanning System	Progressive				
Electronic Shutter Speed	PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s				
Min. Illumination	0.02 lux@F2.0 (Color, 30 IRE)				
	0.002 lux@F2.0 (B/W, 30 IRE)				
	0 lux (Illuminator on)				
S/N Ratio	>65 dB				
Illumination Distance	30 m (98.43 ft); Warm light: 20 m (65.62 ft)				
Illuminator On/Off Control	Auto; Manual				
Illuminator Number	2 (Warm Light);2 (IR Light)				
Angle Adjustment	Pan: 0°–360°				
	Tilt: 0°–78°				
	Rotation: 0°–360°				
Lens					
Lens Type	Fixed-focal				
Lens Mount	M12				
Focal Length	2.8 mm				
Max. Aperture	F2.0				
Field of View	H: 100°; V: 54°; D: 117°				
Iris Control	Fixed				
Close Focus Distance	0.5 m (1.64 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	44.7 m	17.9 m	8.9 m	4.5 m
		146.65 ft	58.73 ft	29.20 ft	14.76 ft
Video					
Video Frame Rate	CVI:				
	PAL: 1080p@25 fps;				
	NTSC: 1080p@30 fps;				
	AHD:				
	PAL: 1080p@25 fps;				
	NTSC: 1080p@30 fps;				
	TVI:				
	PAL: 1080p@25 fps;				
	NTSC: 1080p@30 fps;				
	CVBS:				
	PAL: 960H;				
	NTSC: 960H				
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)				
Day/Night	Auto(ICR)/Color/B/W				
BLC	BLC; HLC; DWDR				
WDR	DWDR				
White Balance	Auto; Area White Balance				
Gain Control	Auto; Manual				
Noise Reduction	2D NR				
Illumination Mode	Smart IR&WL; WL Mode; IR Mode				
Mirror	Yes				
Privacy Masking	Off/On (8 Areas, Rectangle)				

Port	
Video Output	Video Output Choices of CVI/TVI/AHD/CVBS By One BNC Port
Power	
Power Supply	12 VDC $\pm$ 30%
Power Consumption	Max 3.3 W (12 VDC, IR on)
Environment	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	<95% (RH), Non-Condensing
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage Humidity	<95% (RH), Non-Condensing
Protection	IP67
Anti-corrosion Level	Basic Protection
Structure	
Casing Material	Metal
Product Dimensions	$\Phi 94.0$ mm $\times$ 77.9 mm ($\Phi 3.70$ " $\times$ 3.07")
Net Weight	0.27 kg (0.60 lb)
Gross Weight	0.33 kg (0.73 lb)
Installation	Wall Mount; Ceiling Mount; Vertical Pole Mount

Dimensions (mm[inch])

