

DM1200VR-Z

2MP IR HDCVI Motorized Vari-Focal Vandal-proof Dome Camera

HDCVI



Functions

Smart IR Illumination

With its IR illumination, the camera provides optimal performance in low light conditions, ensuring uniformity in the brightness of B/W images. Through its smart IR technology, the camera also compensates for the distance of targets by adjusting the intensity of its IR LEDs, preventing overexposure of images as targets move closer to the camera.

Advanced 3DNR

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

Advanced 3DNR

Advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

Protection (IP67, IK10, 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.

IK10: The enclosure can withstand up to 5 punches from a 5 kg hammer falling from a height of 40 cm (impact energy is 20 J).

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 300m through UTP cables. The results were obtained and verified through rigorous testing in test laboratory.

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	0.01 lux@F1.6 (Color, 30 IRE) 0.001 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)				
S/N Ratio	>65 dB				
Illumination Distance	60 m (196.85 ft)				
Illuminator On/Off Control	Auto				
Illuminator Number	3 (IR Light)				
Angle Adjustment	Pan: 0°–355° Tilt: 0°–80° Rotation: 0°–355°				
Lens					
Lens Type	Motorized Vari-Focal				
Auto Focus	No				
Lens Mount	φ14				
Focal Length	2.7 mm–12 mm				
Max. Aperture	F1.6				
Field of View	H: 28.3°–98.2°; V: 15.8°–51.9°; D: 32.1°–116.7°				
Iris Control	Fixed				
Close Focus Distance	0.8 m (2.62 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.7 mm	47.4 m	18.9 m	9.5 m	4.7 m
		(155.51 ft)	(62.01 ft)	(31.17 ft)	(15.42 ft)
	12 mm	155.6 m	62.2 m	31.1 m	15.6 m
(510.50 ft)		(204.07 ft)	(102.03 ft)	(51.18 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				

Video	
WDR	DWDR
White Balance	Auto; Area White Balance
Gain Control	Auto
Noise Reduction	3D NR
Illumination Mode	Smart IR
Mirror	Yes
Privacy Masking	Off/On (8 Areas, Rectangle)
Port	
Video Output	Video Output Choices of CVI/TVI/AHD/CVBS By One BNC Port
Audio Input	N/A
Power	
Power Supply	12 VDC \pm 30%
Power Consumption	Max 4.1 W (12 VDC, IR On)
Environment	
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	<95% (RH), Non-Condensing
Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Storage Humidity	<95% (RH), Non-Condensing
Protection	IK10; IP67
Anti-corrosion Level	Basic Protection
Structure	
Casing Material	Metal
Product Dimensions	ϕ 126 mm \times 100 mm (ϕ 4.96" \times 3.94")
Net Weight	0.63 kg (1.38 lb)
Gross Weight	0.81 kg (1.78 lb)
Installation	Wall Mount; Ceiling Mount; Vertical Pole Mount

Dimensions (mm[inch])

