

BM1500F-A

5MP Starlight HDCVI IR Bullet Camera

HDCVI



Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility. * Audio input is available for some models of HDCVI cameras

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 800m(1080P)/1200m(720P) transmission via coaxial cable, and up to 300m(1080P)/450m(720P) via UTP cable.* *Actual results verified by real-scene testing in Dahua's test 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.

Smart IR

The camera is designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

Multi-formats

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with most end users' existing HD/SD DVRs.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments. With working temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Camera					
Image Sensor	1/2.7 Inch CMOS				
Max. Resolution	2880 (H) × 1620 (V)				
Pixel	5MP				
Scanning System	Progressive				
Electronic Shutter Speed	PAL: 1/25s–1/100000s NTSC: 1/30s–1/100000s				
S/N Ratio	>65 dB				
Min. Illumination	0.005 Lux/F1.6, 30IRE, 0 Lux IR on				
Illumination Distance	30 m (98.4 ft)				
Illumination On/Off Control	Auto; manual				
Illuminator Number	1				
Pan/Tilt/Rotation Range	Pan: 0°–360°				
	Tilt: 0°–90°				
	Rotation: 0°–360°				
Lens					
Lens Type	Fixed-Focal				
Mount Type	M12				
Focal Length	3.6 mm				
Max. Aperture	F1.6				
	3.6 mm: 109° × 92° × 48° (Diagonal × Horizontal × Vertical)				
Iris Type	Fixed Iris				
	3.6 mm: 1.6 m (5.2 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6 mm	80 m (262.5 ft)	32 m (105.0 ft)	16 m (52.5 ft)	8 m (26.2 ft)
Video					
Frame Rate	CVI: PAL: 5M@25 fps; 4M@25 fps; 1080P@25 fps; NTSC: 5M@25 fps; 4M@30 fps; 1080P@30 fps				
	AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps				
	TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps				
	CVBS: PAL: 960H; NTSC: 960H				

Video	
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080P (1920 × 1080); 960 H (960 × 576/960 × 480)
Day/Night	Auto Switch by ICR
BLC	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto; Manual
Gain Control	Auto; Manual
Noise Reduction	2D NR
Smart IR	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 Area, Rectangle)
Port	
Audio Interface	One Channel Built-In Mic
Video Output	Video Output Choices of CVI/TVI/AHD/CVBS by One BNC Port
Power	
Power Supply	12V ±30% DC
Power Consumption	Max 3.2W (12V DC, IR On)
Environment	
Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (Non-Condensation)
Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (Non-Condensation)
Protection Grade	IP67
Structure	
Casing	Metal Throughout the Whole Casing
Camera Dimensions	174.5 mm × 72.3 mm × 70.6 mm (6.87" × 2.85" × 2.78")
Net Weight	0.36 kg (0.79 lb)
Gross Weight	0.51 kg (1.12 lb)

Dimension

