

WVI50189-S2

5 MP Starlight HDCVI IR Bullet Camera



- · Max 25fps@5MP (16:9 video output)
- · CVI/CVBS/AHD/TVI switchable
- · 3.6 mm fixed lens
- · Built-in mic(-A)
- · Max. IR length 30 m, Smart IR
- · IP67, DC12V



System Overview

Experience 5MP full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 5MP HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various motorized/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

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 700 m for 5MP HD video via coaxial cable, and up to 300 m 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.

Multi-formats

come closer to the camera.

Smart IR

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. This feature makes the camera to be compatible with most end users' existing HD/SD DVRs.

The camera is designed with IR LED illumination for best lowlight perfor-

mance. 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

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 ±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.



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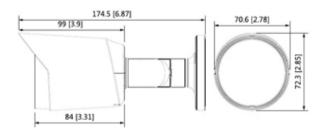
Technical Specification

Camera

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		0.01 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			
Field of View		3.6 mm: 109° × 92° × 48° (diagonal × horizontal × vertical)			
Iris Type		Fixed iris			
Close Focus Distance		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)	8m (26.2 ft)

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)				
Certifications					
Certifications	CE (EN 55032:2015, EN 61000-3-2:2014, EN 61000-3- 3:2013, EN 55024:2010+A1:2015, EN 55035:2017, EN 50130-4:2011+A1:2014, EN 62368-1:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)				
Port					
Audio Interface	One channel built-in mic (-A)				
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	Mental 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)				

Dimensions (mm[inch])



Video

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
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

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