

WVI20181F-A

2MP Full-Color Starlight HDCVI Bullet Camera



- ·Full-color starlight
- ·40m LED distance
- ·Max. 30fps@1080P
- ·CVI/CVBS/AHD/TVI Switchable
- ·Built-in mic(-A)
- ·3.6mm fixed lens (2.8mm Optional)
- ·IP67, 12V±30% DC











System Overview

Experience 1080P full HD color video and the simplicity of reusing existing coaxial infrastructure with HDCVI. The full-color starlight HDCVI camera presents a high quality color image with rich details even in total darkness conditions. It offers various fixed lens models with a multi-language OSD and HD/SD switchable output. It adopts two powerful warm white LED illuminators, covering an effective range up to 40m(131.23ft). The LEDs switch on automatically in darkness to capture detail-packed full-color images 24/7, ensuring anthentic identification of objects. It is an ideal choice for applications such as schools, retail centers and parking lots.

Functions

Full-color Starlight

The camera adopts F1.6 large aperture lens and 1/2.8" high performance sensor. With higher amount of absorbed light and advanced image processing algorithm, the camera presents an impressive lowlight performance with an exceptional balance between noise reduction and the blur of moving object.

Warm Supplemental lights

With two warm supplemental LED lights, the camera is able to provide a colorful and vivid image even in total darkness. It also provides visible By default, the camera is set to smart light mode, in which the camera can automatically adjust the exposure time and light sensitivity simultaneously to avoid overexposure of the objects in the image center. Also, the sensitivity and intensity of the LED lights can be remotely controlled by OSD menu.

Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

*Broadcast-quality audio is available for some models of HDCVI cameras

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 HCVR, 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 long-distance and real-time transmission without any loss. It supports up to 800m for 1080P Full HD video via coaxial cable, and up to 300m via UTP cable

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.

Multiple-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.

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.



Technical Specification		Electronic Defog	Yes
Camera		Digital Zoom	16X
Image Sensor	1/2.8 inch 2.16 Mega Pixels CMOS	Mirror	Off/On
Effective Pixels	1920 (H)×1080 (V), 2MP	Privacy Masking	Off/On (4 area, rectangle)
Electronic Shutter Speed	PAL:1/25s-1/100000s NTSC:1/30s-1/100000s	Certification	
Minimum Illumination	0.005Lux/F1.6, 30IRE, 0Lux white Light on	Certifications	CE (EN55032, EN55024, EN50130-4,EN60950-1) FCC (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Fill Light (White Light) Distance	Distance up to 40m (131.23ft)	Interface	
Fill Light On/Off Control	Auto; Manual	Audio Interface	Built-in mic(-A)
Fill Light Number	2	Port	
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–180° Rotation: 0°–360°	Video Port	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Lens		Power	
Lens Type	Fixed-focal	Power Supply	12V ±30% DC
Mount Type	M12	Power Consumption	Max 5W (12V DC, white light on)
Focal Length	3.6mm	Environment	
Max. Aperture	F1.6	Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Angle of View	3.6mm: 103.6*x86.9*x46.3*	Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
		Protection Grade	IP67
Iris Type	Fixed iris	Structure	
Close Focus Distance	3.6mm: 1.2m (3.94ft)	Casing	Metal front cover+ plastic main body+ metal bracket
	Lens Detect Observe Recognize Identify	Dimensions	198.4mm×80.2mm×76.2mm (7.81"×3.16"×3.00")

Video

DORI Distance

Video	
Video Frame Rate	CVI: PAL: 1080@25fps, 720@25fps, 720@50fps; NTSC: 1080@30fps, 720@30fps, 720@60fps AHD: PAL: 1080@25fps, 720@25fps; NTSC: 1080@30fps, 720@30fps TVI: PAL: 1080@25fps, 720@25fps, 720@50fps; NTSC: 1080@30fps, 720@30fps, 720@60fps CVBS: PAL: 960×576H; NTSC: 960×480H
Resolution	1080P (1920×1080); 720P (1280×720); 960H (704× 576/704×480)
BLC	BLC/HLC/WDR
WDR	DWDR
White Balance	Auto; Manual
Gain Control	Auto; Manual
Noise Reduction	2D NR
Smart Light	Yes

Lens

3.6mm

Detect

55.2m (181.1ft) Observe

22.1m (72.5ft) Recognize Identify

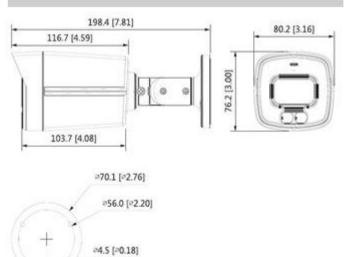
5.5m (18.0ft)

11.0m (36.0ft)

Dimension (mm[inch])

Net Weight

Gross Weight



0.3Kg(0.66lb)

0.45Kg(0.99lb)