

DH-HAC-HFW1239T(-A)-LED

2M Full-color Starlight HDCVI Bullet Camera



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 20m(65.61ft). 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 one warm supplemental LED lights, the camera is able to provide a coloful 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 overexposureing 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.

- · Full-color starlight
- · 20m LFD distance
- · Max. 30fps@1080P
- · CVI/CVBS/AHD/TVI Switchable
- · Built-in mic(-A)
- · 3.6mm fixed lens (2.8mm Optional)
- · IP67, DC12V±30% DC











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

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.

^{*}Audio input is available for some models of HDCVI cameras.

^{*}Actual results verified by real-scene testing in Dahua's test laboratory.

Lite Plus Series | DH-HAC-HFW1239T(-A)-LED

Technical Specification						Mirror	Off/On
Camera						Privacy Masking	Off/On (4 area, rectangle)
Image Sensor	1/2.8 inch 2.16 Mega Pixels CMOS					Certification	
Effective Pixels	1920 (H)×1080 (V), 2MP						CE (EN55032, EN55024, EN50130-4,EN60950-1)
Electronic Shutter Speed	PAL:1/25s-1/100000s NTSC:1/30s-1/100000s					Certifications	FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014 UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Minimum Illumination	0.005Lux,	/F1.6, 30IRE,	0Lux white	Light on		Interface	
Fill Light (White Light)	Distance	up to 20m (6	5.61ft)			Audio Port	Built-in mic (-A)
Distance	Auto: Mai	nual				Port	
Fill Light On/Off Control Fill Light Number	Auto; Manual					Video Port	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
=-0	Pan: 0°-3	Pan: 0°–360°				Power	
Pan/Tilt/Rotation Range	Tilt: 0°–78 Rotation:					Power Supply	12V ±30% DC
Lens						Power Consumption	Max 3W (12V DC, white light on)
Lens Type	Fixed-foc	al				Environment	
Mount Type	M12					Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Focal Length	2.8mm/3	.6mm				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Max. Aperture	F1.6					Protection Grade	IP67
Angle of View	2.8mm: 126.2°×106.0°×56.5° (diagonalxhorizontalxvertical)					Structure	
	3.6mm: 103.6°x86	5.9°x46.3° (di	agonalxhori	izontalxverti	cal)	Casing	IMetal throughout the whole casing
Iris Type	Fixed iris					Dimensions	174.5mm×70.6mm×72.3mm (6.87"×2.78"×2.85")
Close Focus Distance	2.8mm: 0.6m (1.97ft) 3.6mm: 1.2m (3.94ft)					Net Weight	0.34Kg(0.75lb)
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Gross Weight	0.45Kg(0.99lb)
	2.8mm	38.6m (126.6ft)	15.4m (50.5ft)	7.7m (25.3ft)	3.9m (12.8ft)		
	3.6mm	55.2m (181.1ft)	22.1m (72.5ft)	11.0m (36.0ft)	5.5m (18.0ft)		

BLC	BLC/HLC/WDR
WDR	DWDR
White Balance	Auto; Manual
Gain Control	Auto; Manual
Noise Reduction	2D NR
Smart Light	Yes
Electronic Defog	Yes

16X

CVBS: PAL: 960×576H; NTSC: 960×480H

576/704×480)

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

1080P (1920×1080); 720P (1280×720); 960H (704×

Video

Video Frame Rate

Resolution

Digital Zoom

Ordering Information					
Туре	Part Number	Description			
2M Camera	DH-HAC- HFW1239TP-A-LED 2.8 mm				
	DH-HAC- HFW1239TP-LED 2.8 mm	2M Full-color Starlight HDCVI Bullet Camera, PAL			
	DH-HAC- HFW1239TN-A- LED 2.8 mm				
	DH-HAC- HFW1239TN-LED 2.8 mm				
	DH-HAC- HFW1239TP-A-LED 3.6 mm	2M Full-color Starlight HDCVI Bullet Camera, PAL			
	DH-HAC- HFW1239TP-LED 3.6 mm				
	DH-HAC- HFW1239TN-A- LED 3.6 mm	2M Full-color Starlight HDCVI Bullet			
	DH-HAC- HFW1239TN-LED 3.6 mm	Camera,NTSC			
Accessories	PFA134+ PFA152-E	Water-proof Junction Box+Pole Mount Bracket			
	PFA134	Water-proof Junction Box			
	PFM820	UTC Controller			
	PFM800-E	Passive HDCVI Balun			
	PFM800-4K	Passive Video Balun			
	PFM800B-4K	Passive Video Balun			
	PFM321	12V 1A Power Adapter			
	PFM300	12V 2A Power Adapter			
	PFM320D-015	12V 1.5A Power Adapter			

Accessories

Optional:









PFA134+PFA152-E Water-proof Junction Box+Pole Mount Bracket

PFA134 Water-proof Junction Box

PFM820 UTC Controller







PFM800-E Passive HDCVI Balun

PFM800-4K Passive Video Balun

PFM800B-4K Passive Video Balun







PFM321 12V 1A Power Adapter

PFM300 12V 2A Power Adapter

PFM320D-015 12V 1.5A Power Adapter

Pole Mount	Pole Mount	
PFA134+PFA152-E	PFA134	

Dimensions (mm[inch])



