

DH-HAC-HFW2249TU-A-LED

2MP Full-color HDCVI Bullet Camera





- * The parameters and datasheets below can only be applied to 2249-S2 series.
- · 24/7 color imaging, Max. 30 fps@1080p.
- · 60 m illumination distance.
- · Super Adapt, 120 dB true WDR, 3D NR.
- · Built-in mic.
- \cdot 3.6 mm fixed lens (2.8 mm, 6 mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- · IP67, DC 12 V.













System Overview

Pro Series is a perfect choice for SMB solutions and projects where both high reliability and flexibility are required. All cameras are equipped with Starlight feature, 120dB true WDR and 3DNR, and are able to provide clear images and rich details even under tough lighting conditions.

Functions

Full-color

Full-color camera adopts large aperture lens and high performance sensor. With higher amount of absorbed light and advanced image processing algorithm, the camera provides 24/7 color monitoring that collects clear and vivid information, significantly increasing probability of gathering valid human, vehicle, and event evidence that can be used for further intelligent analysis.

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.

*This function is available for select models.

Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, Dahua HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Advanced 3DNR

3DNR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Dahua's advanced 3DNR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3DNR effectively decreases the band width and saves the storage space.

Warm Supplemental lights

With warm supplemental LED lights, the camera is able to provide a coloful and vivid image even in total darkness. 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.

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 700m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300m via UTP cable.

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

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

PAL: 960H NTSC: 960H

120dB

BLC/HLC/WDR/HLC-Pro

1080P (1920 × 1080) ; 960H (960× 576/960 × 480) ;

Resolution

BLC

WDR

TO Serie.	S DH-HA	AC-HEVV	224910)-A-LED						
Technical Specification						White Balance	White Balance Au		Auto; Area white balance	
Camera						Gain Control	Gain Control Auto		o; manual	
Image Sensor		2MP CMOS				Noise Reductio	Noise Reduction 3D NF			
Max. Resolution		1920 (H) × 1080 (V)				Smart Light	Yes			
Pixel		2MP				Mirror	Off/On			
Scanning System		Progressive				Privacy Maskin	Privacy Masking Off/G		8 area, rectangle)	
Electronic Shutter Speed		PAL: 1/3 s-1/100,000 s NTSC: 1/4 s-1/100,000 s				Certificatio	Certifications			
S/N Ratio		> 65 dB				Certifications			CE (EN55032, EN55024, EN50130-4, EN62368-1) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
Min. Illumination		0.0002 Lux/F1.0, 0 Lux White Light on				Dant				
Illumination Distance		60 m (196.9 ft)				Port	Video output choices of CVI/TVI/AHD/CVBS by or			
Illuminator On/Off Control		Auto; manual				Video Output			t (DIP Switch)	
Illuminator Number		4				Audio Input	Audio Input O		One channel built-in mic	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90°				Power	Power			
Lana		Rotation: 0°–360°"				Power Supply	Power Supply 12		12V ±30% DC	
Lens		Fixed long				Power Consum	Power Consumption		Max 10.2W (12V DC, warm light on)	
Lens Type		Fixed lens				Environmer	Environment			
Mount Type Focal Length		2.8 mm; 3.6 mm; 6 mm				Operating Tem	Unerating temperature		-40°C to +60°C (–40°F to 140°F) ; <95% (noncondensation)	
Max. Aperture		F1.0				Storage Tempe			+60°C (–40°F to 140°F) ;<95% (non- ation)	
Field of View		2.8 mm: H: 106°; V: 55°; D: 125° 3.6 mm: H: 84°; V: 44°; D: 99° 6 mm: H: 57°; V: 31°; D: 65°				Protection Gra	Protection Grade IP67			
Iris Type		Fixed iris				Structure	Structure			
Iris Type		2.8 mm: 1 m (3.3 ft)				Casing	Casing		Metal throughout the whole casing	
Close Focus Distance		3.6 mm: 1.7 m (5.6 ft) 6 mm: 4.3m (14.1 ft)				Camera Dimen	Camera Dimensions		244.1 mm × 90.4 mm × 90.4 mm (9.61" × 3.56" × 3.56")	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Net Weight	Net Weight		1.68 lb)	
	2.8 mm	44.9 m (147.3 ft)	17.9 m (58.7 ft)	8.9 m (29.2 ft)	4.6 m (15.1 ft)	Gross Weight	Gross Weight		1.02 kg (2.25 lb)	
	3.6 mm	55.2 m (181.1 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)					
	6 mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3 m (27.2 ft)	Ordering Ir	Ordering Information			
Video						Туре	Part Number		Description	
Frame Rate		CVI: PAL: 1080P@25fps NTSC: 1080P@30fps AHD: PAL: 1080P@25fps NTSC: 1080P@30fps				2MP Camera	DH-HAC- HFW2249TUP	-A-LED	2MP Full-color HDCVI Bullet Camera, PAL	
						Zivii Camera	DH-HAC- HFW2249TUN	-A-LED	2MP Full-color HDCVI Bullet Camera, NTSC	
			PAL: 1080P@25fps				PFA130-E		Junction Mount	
		NTSC: 1080P@30fps CVBS: PAL: 960H					PFA130-E+PFA	\152-Е	Pole Mount Bracket	

Туре	Part Number	Description				
2MD Carrage	DH-HAC- HFW2249TUP-A-LED	2MP Full-color HDCVI Bullet Camera, PAL				
2MP Camera	DH-HAC- HFW2249TUN-A-LED	2MP Full-color HDCVI Bullet Camera, NTSC				
	PFA130-E	Junction Mount				
	PFA130-E+PFA152-E	Pole Mount Bracket				
Accessories	PFM800-4k	Passive HDCVI Balun				
	PFM321	12V 1A Power Adapter				
	PFM904	Integrated Mount Tester				

Accessories

Optional:



PFA130-E Junction Box



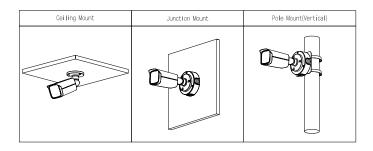
PFA152-E+PFA130-E Pole Mount Bracket + Water-proof Junction Box



PFM321 12V 1A Power Adapter



PFM904 Integrated Mount Tester



Dimensions (mm[inch])

