

DH-HAC-HFW1200TH-I8-A

2MP IR HDCVI Fixed-focal Bullet Camera



* The parameters and datasheets below can only be applied to 1200-S6 series.

- Max. 30 fps@1080p.
- Smart IR Illumination.
- 80 m illumination distance.
- Super Adapt.
- Built-in Mic.
- 3.6 mm fixed lens (2.8mm, 6 mm optional).
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.

System Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

Functions

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

Advanced 3DNR

Dahua's advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.



Smart IR Illumination

With its IR illumination, the camera provides optimal performance in low light conditions, ensuring uniformity in the brightness of B/W images. Through its smart IR technology, the camera also compensates for the distance of targets by adjusting the intensity of its IR LEDs, preventing overexposure of images as targets move closer to the camera.

Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes.

Wide voltage: The camera has $\pm 30\%$ input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

* Audio input is available for select HDCVI camera models.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

Technical Specification						WDR		DWDR	
Camera						White Balance		Auto; Area white balance	
Image Sensor		2 MP CMOS				Gain Control		Auto	
Max. Resolution		1920 (H) × 1080 (V)				Noise Reduction		3D NR	
Scanning System		Progressive				Illumination Mode		Smart IR	
Electronic Shutter Speed		PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s				Mirror		Yes	
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Privacy Masking		Off/On (8 areas, rectangle)	
Certification									
S/N Ratio		>65 dB				Certifications		CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B	
Illumination Distance		80 m (262.47 ft)				Port			
Illuminator On/Off Control		Auto				Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Illuminator Number		2 (IR light)				Audio Input		One channel built-in Mic	
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Power			
Lens						Power Supply		12 VDC ± 30%	
Lens Type		Fixed-focal				Power Consumption		Max 4.9 W (12 VDC, IR on)	
Lens Mount		M12				Environment			
Focal Length		2.8 mm; 3.6 mm ;6 mm				Operating Temperature		–40 °C to +60 °C (–40 °F to +140 °F)	
Max. Aperture		F2.0				Operating Humidity		<95% (RH), non-condensing	
Field of View		2.8 mm: H: 102°; V: 60°; D: 129° 3.6 mm: H: 83°; V: 48°; D: 104° 6 mm: H: 47°; V: 27°; D: 54°				Storage Temperature		–40 °C to +60 °C (–40 °F to +140 °F)	
Iris Control		Fixed				Storage Humidity		<95% (RH), non-condensing	
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.7 m (2.30 ft) 6 mm: 2.3 m (7.55 ft)				Protection		IP67	
Structure									
DORI Distance		Lens	Detect	Observe	Recognize	Identify	Casing Material		Metal front cover + plastic rear barrel + metal bracket
		2.8 mm	41.4 m (135.83 ft)	16.5 m (42.13 ft)	8.3 m (27.23 ft)	4.1 m (13.45 ft)	Product Dimensions		240.7 mm × 90.7 mm × 90.4 mm (9.48" × 3.57" × 3.56")
		3.6 mm	50.9 m (166.99 ft)	20.3 m (66.60 ft)	10.2 m (33.46 ft)	5.1 m (16.73 ft)	Net Weight		0.41 kg (0.90 lb)
		6 mm	95.1 m (312.01 ft)	38.0 m (124.67 ft)	19.0 m (62.34 ft)	9.5 m (31.17 ft)	Gross Weight		0.62 kg (1.37 lb)
Video						Installation		Wall mount; ceiling mount; vertical pole mount	
Video Frame Rate		CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; CVBS: PAL: 960H; NTSC: 960H							
Resolution		1080p (1920 × 1080); 960H (960 × 576/960 × 480)							
Day/Night		Auto(ICR)/Color/B/W							
BLC		BLC; HLC; DWDR							

Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-HFW1200THP-I8-A	2MP IR HDCVI Fixed-focal Bullet Camera, PAL
	DH-HAC-HFW1200THN-I8-A	2MP IR HDCVI Fixed-focal Bullet Camera, NTSC
Accessories (Optional)	PFA130-E	Water-proof Junction Box
	PFA152-E	Pole Mount Bracket
	PFM800-E	1 Channel Passive HDCVI Balun
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester

Accessories

Optional:



PFA130-E
Water-proof Junction Box



PFA152-E
Pole Mount Bracket



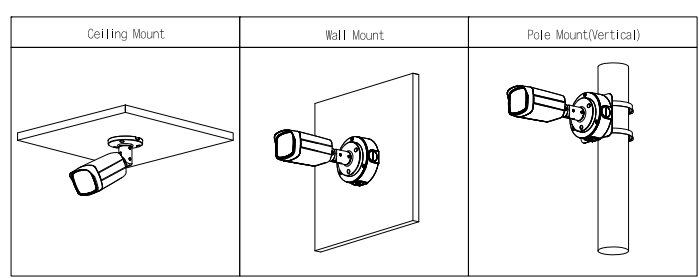
PFM800-E
1 Channel Passive HDCVI Balun



PFM321D
12V 1A Power Adapter



PFM904
Integrated Mount Tester



Dimensions (mm [inch])

