

DH-HAC-HFW1200TL

2MP IR HDCVI Fixed-focal Bullet Camera



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.

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.

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

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



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						
Camera						
Image Sensor		2 MP CMOS				
Max. Resolution		1920 (H) × 1080 (V)				
Scanning System		Progressive				
Electronic Shutter Speed		PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s				
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)				
S/N Ratio		>65 dB				
Illumination Distance		40 m (131.23 ft)				
Illuminator On/Off Control		Auto				
Illuminator Number		2 (IR light)				
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				
Lens						
Lens Type		Fixed-focal				
Lens Mount		M12				
Focal Length		2.8 mm; 3.6 mm; 6 mm				
Max. Aperture		F2.0				
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°				
Iris Control		Fixed				
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)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify	
	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)	
	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)	
	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)	
	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/ project design tool.					
Video						
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	
WDR		DWDR	
White Balance		Auto; Area white balance	
Gain Control		Auto	
Noise Reduction		3D NR	
Illumination Mode		Smart IR	
Mirror		Yes	
Privacy Masking		Off/On (8 areas, rectangle)	
Certification			
Certifications		CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B	
Port			
Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Power			
Power Supply		12 VDC ± 30%	
Power Consumption		Max 2.8 W (12 VDC, IR on)	
Environment			
Operating Temperature		–40 °C to +60 °C (–40 °F to +140 °F)	
Operating Humidity		<95% (RH), non-condensing	
Storage Temperature		–40 °C to +60 °C (–40 °F to +140 °F)	
Storage Humidity		<95% (RH), non-condensing	
Protection		IP67	
Structure			
Casing Material		Plastic	
Product Dimensions		198.9 mm × 80.2 mm × 76.2 mm (7.83" × 3.16" × 3.00")	
Net Weight		0.22 kg (0.49 lb)	
Gross Weight		0.41 kg (0.90 lb)	
Installation		Wall mount; ceiling mount; vertical pole mount	

Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-HFW1200TLP	2MP IR HDCVI Fixed-focal Bullet Camera, PAL
	DH-HAC-HFW1200TLN	2MP IR HDCVI Fixed-focal Bullet Camera, NTSC
Accessories (Optional)	PFA134	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:



PFA134
Junction
Box



PFA152-E
Pole Mount
Bracket



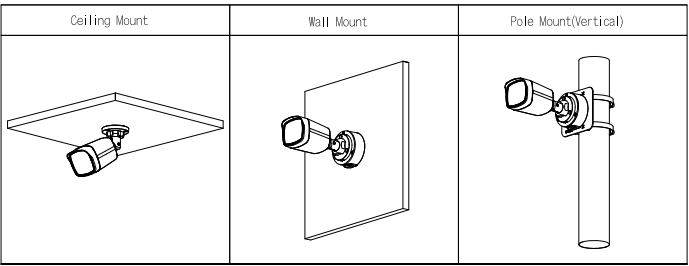
PFM800-E
1 Channel Passive
HDCVI Balun



PFM321D
12V 1A Power
Adapter



PFM904
Integrated Mount
Tester



Dimensions (mm [inch])

