

DH-HAC-HDBW1200RA-Z-A

2MP IR HDCVI Motorized Vari-Focal Vandal-proof Dome Camera



- * The parameters and datasheets below can only be applied to 1200-S6 series.
- · Max. 30 fps@1080p.
- · Smart IR Illumination.
- · 60 m illumination distance.
- · Super Adapt.
- · Built-in Mic.
- · 2.7 mm-12 mm motorized lens.
- · CVI/CVBS/AHD/TVI switchable.
- · IP67, IK10, 12 VDC.













Series 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

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.

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.

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.

Protection (IP67, IK10, 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. IK10: The enclosure can withstand up to 5 punches from a 5 kg hammer falling from a height of 40 cm (impact energy is 20 J).

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.

Lite Series | DH-HAC-HDBW1200RA-Z-A

NTSC: 1080p@30 fps;

PAL: 1080p@25 fps; NTSC: 1080p@30 fps;

Auto(ICR)/Color/B/W
BLC; HLC; DWDR

Auto; Area white balance

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

CVBS: PAL: 960H; NTSC: 960H

DWDR

Video Frame Rate

Resolution

Day/Night

White Balance

BLC WDR

Lite Series Dir-HAC-HDDW1200IXA-2-A								
Technical Specification							Gain Control	Auto
Camera							Noise Reduction	3D NR
Image Sensor		2 MP CMOS					Illumination Mode	Smart IR
Max. Resolution		1920 (H) × 1080 (V)					Mirror	Yes
Scanning System		Progressive					Privacy Masking	Off/On (8 areas, rectangle)
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s NTSC: 1/30 s-1/100000 s					Certification	
Min. Illumination		0.01 lux@F1.6 (Color, 30 IRE) 0.001 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)					Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B; UL: UL62368-1 + CAN/CSA C22.2 No. 62368-1-14
S/N Ratio		>65 dB					Port	
Illumination Distance		60 m (196.85 ft)					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Illuminator On/Off Control		Auto					Audio Input	One channel built-in Mic
Illuminator Number		3 (IR light)					Power	
Angle Adjustment		Pan: 0°-355° Tilt: 0°-80°					Power Supply	12 VDC ± 30%
Long			Rotation: 0°–355°				Power Consumption	Max 4.1 W (12 VDC, IR on)
Lens		Make size of Marsi Earsyl					Environment	
Lens Type		Motorized Vari-focal					Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Auto Focus		No					Operating Humidity	<95% (RH), non-condensing
Lens Mount		ф14					Storage Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Focal Length		2.7 mm–12 mm					Storage Humidity	<95% (RH), non-condensing
Max. Aperture		F1.6					Protection	IK10; IP67
Field of View		H: 28.3°-98.2°; V: 15.8°-51.9°; D: 32.1°-116.7°					Anti-corrosion Level	Basic Protection
Iris Control		Fixed					Structure	
Close Focus Distance		0.8 m (2.62 ft)					Casing Material	Metal
	Lens	Detect	Observe	Recognize	Identify		Product Dimensions	φ126 mm × 100 mm (φ4.96" × 3.94")
DORI Distance	2.7 mm	47.4 m (155.51 ft)	18.9 m (62.01 ft)	9.5 m (31.17 ft)	4.7 m (15.42 ft)		Net Weight	0.63 kg (1.38 lb)
	12 mm	155.6 m (510.50 ft)	62.2 m (204.07 ft)	31.1 m (102.03 ft)	15.6 m (51.18 ft)		Gross Weight	0.81 kg (1.78 lb)
Video		(525.55 16) (251.57 16) (52.55 16)					Installation	Wall mount; ceiling mount; vertical pole mount
		CVI: PAL: 1080p@ NTSC: 1080p@ AHD: PAL: 1080p@	@30 fps;					

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Ordering Information					
Туре	Model	Description			
2MP	DH-HAC-HDBW1200RAP-Z-A	2MP IR HDCVI Motorized Vari-Focal Vandal-proof Dome Camera, PAL			
Camera	DH-HAC-HDBW1200RAN-Z-A	2MP IR HDCVI Motorized Vari-Focal Vandal-proof Dome Camera, NTSC			
	PFA197R	Junction Box			
	PFB206W	Wall Mount Bracket			
	PFA109	Mount Adapter			
Accessories	PFB220C	Ceiling Mount Bracket			
(Optional)	PFA156	Pole Mount Bracket			
	PFM800-E	Passive HDCVI Balun			
	PFM321	12V 1A Power Adapter			
	PFM904	Integrated Mount Tester			

Ceiling Mount	Junction Mount	Ceiling Mount
Wall Mount	Pole Mount(Vertical)	

Accessories

Optional:



Junction Box



PFB220C Ceiling Mount Bracket



PFB206W Wall Mount Bracket



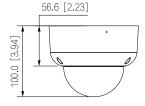
PFA156 Pole Mount Bracket



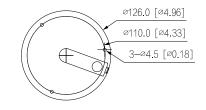
PFA109 Mount Adapter



PFM800-E Passive HDCVI Balun



Dimensions (mm[inch])





12V 1A Power Adapter



PFM904 Integrated Mount Tester