

DH-HAC-HDBW1200E

2MP HDCVI IR Dome Camera



- · Max 30fps@1080P
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8mm optional)
- · Max. IR length 30m, Smart IR
- · IP67, IK10, DC12V













System Overview

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 1080P HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various motorized/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high costperformance makes the camera an ideal choice for SMB solutions.

Functions

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 800m(1080p)/1200m(720P) transmission via coaxial cable, and up to 300m(1080P)/450m(720P) via UTP cable.*

*This function is available for select models.

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.

Smart IR

The camera is designed with IR LED illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

Multi-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.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

lightning.

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. With working temperature range of-40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides

protection against the camera and its structure from the effects of

Lite Series | DH-HAC-HDBW1200E

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Technical Specification						Smart IR	Yes	
Camera						Electronic Defog	Yes	
Image Sensor		1/2.7 inch CMOS				Mirror	Off/On	
Effective Pixels		1920(H)×1080(V), 2MP				Privacy Masking	Off/On (8 area, rectangle)	
Scanning System		Progressive				Certifications		
Electronic Shutter Speed		PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s					CE (EN55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
S/N Ratio		> 65dB				Certifications		
Minimum Illu	mination	0.02Lux/F1.9, 30IRE, 0Lux IR on				Port		
Fill Light Worl	king Distance	30 m (98.4 ft)					Video output choices of CVI/TVI/AHD/CVBS by one	
IR On/Off Control		Auto; manual				Video Output	BNC port	
IR LED Numbe	er	12				Power		
Pan/Tilt/Rotation Range		Pan: 0°–355° Tilt: 0°–65° Rotation: 0°–355°				Power Supply	12V ±30% DC	
						Power Consumption	Max 3.4W (12V DC, IR on)	
Lens				Environment				
Lens Type		Fixed-focal				Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)	
Mount Type Focal Length		M12 2.8 mm; 3.6 mm				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)	
•		F1.9				Protection Grade	IP67, IK10	
Max. Aperture Field of View		2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)				Structure		
						Casing	Plastic dome cover+mental upper casing+mental pedestal	
						Camera Dimensions	ϕ 109.9 mm × 81.0 mm (ϕ 4.33" × 3.19")	
Iris Type		Fixed iris				Net Weight	0.31 Kg (0.68 lb)	
Close Focus Distance		2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)				Gross Weight	0.45 Kg (0.99 lb)	
DORI Distance	Lens	Detect	Observe	Recognize	Identify			
	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)			
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5 m (16.4 ft)			

Auto; manual

2D NR

720P@50/60fps; CVBS: 960H

Video

Frame Rate

Resolution

Gain Control

Noise Reduction

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

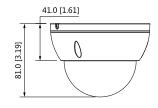
CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; AHD: 1080P@25/30fps; 720P@25/30fps; TVI: 1080P@25/30fps; 720P@25/30fps;

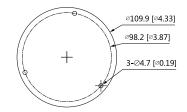
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Ordering Information							
Туре	Part Number	Description					
	DH-HAC-HDBW1200EP 2.8mm						
2MP Camera	DH-HAC-HDBW1200EN 2.8mm	2MP HDCVI IR Dome Camera					
ZIVIP Camera	DH-HAC-HDBW1200EP 3.6mm	ZIVIP FIDEVI IK DOME CAMETA					
	DH-HAC-HDBW1200EN 3.6mm						
	PFA136	Junction box					
	PFB203W	Wall Mount Bracket (For use alone or with PFA152-E)					
	PFA152-E	Pole Mount Bracket (For use with PFB203W)					
	PFA106	Mount Adapter (For use with PFB220C)					
Accessories	PFB220C	Ceiling Mount Bracket (For use with PFA106)					
	PFM800-E	Passive HDCVI Balun					
	PFM321D	12V 1A Power Adapter					
	PFM820	UTC Controller					
	PFM904	Integrated Mount Tester					

Ceiling Mount	Wall Mount	Pole Mount	Hanging Mount
PFA136	PFB203W	PFB203W+PFA152-E	PFA106+PFB220C

Dimensions (mm[inch])





Accessories

Optional:



PFA136 Junction box



PFB203W Wall Mount Bracket (For use alone or with PFA152-E)



PFA152-E Pole Mount Bracket (For use with PFB203W)



PFA106 Mount Adapter (For use with PFB220C)



PFB220C Ceiling Mount Bracket (For use with PFA106)



PFM800-E Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM820 UTC Controller



PFM904 Integrated Mount Tester