

DH-HAC-HDW1200EM(-A)

2MP HDCVI IR Eyeball Camera



- * The parameters and datasheets below can only be applied to 1200-S5 series.
- · Max 30fps@1080P
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8 mm, 6 mm optional)
- · Built-in mic(-A)
- · Max. IR length 50m, Smart IR
- · IP67, 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 cost-performance 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-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

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 lightning.

Lite Series | DH-HAC-HDW1200EM(-A)

Video

Frame Rate

Resolution

Day/Night

BLC

WDR

White Balance

Technical Specification						Gain Control	Auto; manual	
Camera					Noise Reduction	2D NR		
Image Senso	r	1/2.7 inch CMOS				Smart IR	Yes	
Effective Pixels		1920(H)×1080(V), 2MP				Electronic Defog	Yes	
Scanning System		Progressive				Mirror	Off/On	
Electronic Shutter Speed		PAL: 1/25s–1/100000s NTSC: 1/30s–1/100000s				Privacy Masking	Off/On (8 area, rectangle)	
S/N Ratio		>65dB				Certifications		
Minimum Illumination		0.02Lux/F1.9, 30IRE, 0Lux IR on					CE (EN55032:2015, EN 61000-3-2:2014, EN 61000 3-3:2013, EN55024:2010+A1:2015, EN 55035:201 EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-20 UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
Fill Light Working Distance		50 m (164 ft)				Certifications		
IR On/Off Control		Auto; manual				Port		
IR LED Number		1				Audio Output	One channel built-in mic (-A)	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Video Output	Video output choices of CVI/TVI/AHD/CVBS by o	
Lens					Power			
Lens Type		Fixed-focal				Power Supply	12V ±30% DC	
Mount Type		M12				Power Consumption	Max 3.2W (12V DC, IR on)	
Focal Length		2.8 mm; 3.6 mm; 6 mm				Environment		
Max. Aperture		F1.9				Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)	
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) 6 mm: 60° x 56° x 30° (diagonal x horizontal x vertical)				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)	
						Protection Grade	IP67	
						Structure		
Iris Type Close Focus Distance		2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft) 6 mm: 2 m (6.6 ft)				Casing	Metal throughout the whole casing	
						Camera Dimensions	ф106.0 mm × 93.6 mm (ф4.17" × 3.69")	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Net Weight	0.44 Kg (0.97 lb)	
	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)	Gross Weight	0.59 Kg (1.3 lb)	
	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)			
	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)			

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

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

1080P (1920×1080); 720P (1280×720); 960H (960×576/960×480)

CVBS: 960H

Auto switch by ICR

BLC/HLC/DWDR

Auto; manual

DWDR

Ordering Information						
Туре	Part Number	Description				
	DH-HAC- HDW1200EMP 2.8mm					
	DH-HAC- HDW1200EMN 2.8mm					
	DH-HAC- HDW1200EMP 3.6mm					
	DH-HAC- HDW1200EMN 3.6mm					
	DH-HAC- HDW1200EMP 6mm					
	DH-HAC- HDW1200EMN 6mm					
2MP Camera	DH-HAC- HDW1200EMP-A 2.8mm	2MP HDCVI IR Eyeball Camera				
	DH-HAC- HDW1200EMN-A 2.8mm					
	DH-HAC- HDW1200EMP-A 3.6mm					
	DH-HAC- HDW1200EMN-A 3.6mm					
	DH-HAC- HDW1200EMP-A 6mm					
	DH-HAC- HDW1200EMN-A 6mm					
	PFA139	Junction box				
	PFA130-E	P66 Junction box				
	PFB204W	Wall Mount Bracket (For use alone or with PFA152-E)				
	PFA152-E	Pole Mount Bracket (For use with PFB204W)				
Accessories	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				
	PFM904	Integrated Mount Tester				

Accessories

Optional:



Junction box





PFA130-E P66 Junction box



PFB204W Wall Mount Bracket (For use alone or with PFA152-E)







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



PFM904 Integrated Mount Tester

Ceiling Mount	Wall Mount	Hanging Mount	Pole Mount
PFA130-E	PFB204W	PFA106+PFB220C	PFA152-E+PFB204W

Dimensions (mm[inch])



