

DH-HAC-HDW1200M-S4

2MP HDCVI IR Eyeball Camera





- * The parameters and datasheets below can only be applied to 1200-S4 series.
- · Max 30fps@1080P
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8mm, 6mm optional)
- · Max. IR length 30m, 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.*

*Actual results verified by real-scene testing in Dahua's test laboratory.

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 microcrystalline LED IR 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

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-HDW1200M

Technical Specification			Day/Night	Auto (ICR) / Manual
Camera		OSD Menu	Multi-language	
Image Sensor	1/2.7" CMOS		BLC Mode	BLC / HLC / DWDR
Effective Pixels	1920(H)×1080(V), 2MP		WDR	DWDR
Scanning System	Progressive		Gain Control	AGC
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s		Noise Reduction	2D
Minimum Illumination	0.02Lux/F1.85, 30IRE, OLux IR on		White Balance	Auto / Manual
S/N Ratio	More than 65dB		Smart IR	Auto / Manual
R Distance	Up to 30m (98feet)		Certifications	
IR On/Off Control	Auto / Manual		Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4- UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
IR LEDs 12 Lens			Interface	
Lens Type	Fixed lens / Fixed iris		Audio Interface	N/A
Mount Type	Board-in		Eelectrical	
Focal Length	3.6mm (2.8mm, 6mm Op	tional)	Power Supply	12V DC ±30%
Max Aperture	F1.85		Power Consumption	Max 3.3W (12V DC, IR on)
Angle of View	H: 87.5° (103°, 54.7°)		Environmental	
Focus Control	N/A		Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% * Start up should be done at above-40°C (-40°
Close Focus Distance	500mm (900mm, 2000mm) 19.69" (35.43", 78.74")		Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95%
DORI Distance			Ingress Protection & Vandal Resistance	IP67
Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.			Construction	
			Casing	Aluminium
	DORI		Dimensions	Ф93.4mm×79.4mm (Ф3.68"×3.13")
	Definition	Distance	Net Weight	0.27kg (0.60lb)
Detect	25px/m (8px/ft)	2.8mm: 37m(122ft) 3.6mm: 53m(175ft) 6mm: 80m(262ft)	Gross Weight	0.34kg (0.75lb)
Dbserve	63px/m (19px/ft)	2.8mm: 15m(49ft) 3.6mm: 21m(70ft) 6mm: 32m(105ft)		
Recognize	125px/m (38px/ft)	2.8mm: 8m(25ft) 3.6mm: 11m(35ft)		

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2.8mm: 4m(12ft) 3.6mm: 5m(17ft)

6mm: 8m(26ft)

250ppm (76px/ft)

Pan: 0° ~ 360° Tilt: 0° ~ 78°

Rotation: 0° ~ 360°

1080P (1920×1080)

video output (Can switch)

25/30fps@1080P, 25/30/50/60fps@720P

1-channel BNC high definition video output / CVBS

Identify

Video

Resolution

Frame Rate

Video Output

Pan / Tilt / Rotation

Pan/Tilt/Rotation

Ordering Information				
Туре	Part Number	Description		
2MP Camera	DH-HAC-HDW1200MP 2.8mm	2MP HDCVI IR Eyeball Camera, PAL		
	DH-HAC-HDW1200MP 3.6mm			
	DH-HAC-HDW1200MP 6mm			
	DH-HAC-HDW1200MN 2.8mm	2MP HDCVI IR Eyeball Camera, NTSC		
	DH-HAC-HDW1200MN 3.6mm			
	DH-HAC-HDW1200MN 6mm			
Accessories	PFA13A-E	Junction box (For use alone)		
	PFB204W	Wall mount (For use alone or with PFA152-E pole mount)		
	PFA152-E	Pole mount (For use with PFB204W wall mount)		
	PFM820	UTC Controller		
	PFM800-E	Passive HDCVI Balun		
	PFM800-4K	Passive Video Balun		
	PFM800B-4K	Passive Video Balun		
	PFM321	12V 1A Power Adapter		
	PFM320D-015	12V 1.5A Power Adapter		
	PFM300	12V 2A Power Adapter		

Accessories

Optional:



PFA13A-E Junction box



PFB204W Wall mount



79.4 [3.13"]

PFA152-E Pole mount



PFM800-E Passive HDCVI Balun



PFM800-4K Passive Video Balun



PFM800B-4K Passive Video Balun



12V 1A Power Adapter



PFM320D-015 Power Adapter



PFM300 Power Adapter



PFM820 UTC Controller





