

DH-HAC-HDW1400EM-A

4MP HDCVI IR Eyeball Camera





- · Max 30fps@4MP
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8mm, 6mm optional)
- · Max. IR length 50m, Smart IR
- · IP67, DC12V









System Overview

Experience superior 4MP video and the simplicity of reusing existing coaxial infrastructure with HDCVI. The Lite series 4MP HDCVI camera features a compact design and offers a high quality image with rich details at a friendly price. It offers various vari-focal/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 or 1 coaxial cable simultaneously, i.e. video, audio*, data and power Dual-way data transmission allows the HDCVI camera to interact with the HCVR, 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 long-distant and real-time transmission without any loss. It supports up to 70% for 4MP HD video via coaxial cable, and up to 300m via UTP cable.

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

Simplicity

HDCVI technology inherits the porn 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 array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/Winage 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.

HD/SD Switchable

The camera supports switchable HDCVI high definition video output and CVBS condard definition video output. The two formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with both HCVRs and existing analog DVRs and so facilitates debugging through analog testers.

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 $\pm 25\%$ 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-HDW1400EM-A

Technical Specification			Video		
Camera				Resolution	4MP (2560×1440)
Image Sensor	1/3" CMOS			Frame Rate	25/30fps@4MP, 25/30fps@1080P, 25/30fps@720
Effective Pixels	2688(H)×1520(V), 4.1MP			Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
Scanning System	Progressive			Day/Night	Auto (ICR) / Manual
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s			OSD Menu	Multi-language Multi-language
Minimum Illumination	0.03Lux/F2.0, 30IRE, 0Lux IR on			BLC Mode	BLC / HLC / DWD
S/N Ratio	More than 65dB			WDR	DWDR
IR Distance	Up to 50m (164feet)			Gain Control	AGC S
IR On/Off Control	Auto / Manual			Noise Reduction	20,
IR LEDs	1			White Balance	Auto / Manual
Lens				Smart IR	Auto / Manual
Lens Type	Fixed lens / Fixed iris			Certifications (
Mount Type	Board-in			Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014 UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Focal Length	3.6mm (2.8mm, 6mm Optional)				
Max Aperture	F2.0			Interface	
Angle of View	H: 84.8° (99.7°/52.5°)			Audio Interface	Built-in Mic
Focus Control	N/A			Eelectrical	
Close Focus Distance	1100mm (800mm/2200mm) 43.3" (31.5"/86.6")			Power Supply	12V DC ±25%
DORI Distance				Power Consumption	Max 4.1W (12V DC, IR on)
Note: The DORI distance is a "general proximity" of distance which makes it easy.				Environmental	
pinpoint the right camera for your needs. The DORI distance is calculated based in sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.			Operating Conditions	-40°C $^{\sim}$ +60°C (-40°F $^{\sim}$ +140°F) / Less than 90% RH * Start up should be done at above-40°C (-40°F)	
entena for Beteet, Observe, Necogn	DORI			Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
	Definition	Distance		Ingress Protection & Vandal Resistance	IP67
Detect	25px/m (8px/ft)	2.8mm: 63m(208ft) 3.6mm: 80m(262ft)		Construction	
		6mm: 117m(385ft)		Casing	Aluminium
Observe	63px/m	2.8mm: 25m(83ft) 3.6mm: 32m(105ft) 6mm: 47m(154ft)		Dimensions	Ф106mm×93.7mm (Ф4.17"×3.69")
Observe	(19px/ft)			Net Weight	0.42kg (0.93lb)
		2.8mm: 13m(42ft)		Gross Weight	0.55kg (1.21lb)
Recognize	25px/m 3.6mm: 15m(53ft) (38px/ft) 3.6mm: 23m(77ft)				
Identify	250ppm (76px/ft)	2.8mm: 6m(21ft) 3.6mm: 8m(26ft) 6mm: 12m(39ft)			
Pan / Tilt / Rotation					
Pan/Tilt/Botation	Pan: 0° ~ 360° Tilt: 0° ~ 78° Rotation: 0° ~ 360°				
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Ordering Information						
Туре	Part Number	Description				
4MP Camera	DH-HAC-HDW1400EMP-A 2.8mm					
	DH-HAC-HDW1400EMP-A 3.6mm	4MP HDCVI IR Eyeball Camera, PAL				
	DH-HAC-HDW1400EMP-A 6mm					
	DH-HAC-HDW1400EMN-A 2.8mm	4MP HDCVI IR Eyeball Camera, NTSC				
	DH-HAC-HDW1400EMN-A 3.6mm					
	DH-HAC-HDW1400EMN-A 6mm					
Accessories	PFA130-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)				
	PFM800-E	Passive HDCVI Balun				
	PFM800-4MP	Passive HDCVI Balun				
	PFM801-4MP	Passive HDCVI Balun with Power				
	PFM321	12V 1A Power Adapter				
	PFM320D-015	12V 1.5A Power Adapter				

Wall Mount PFB204W Dimensions (mm/inch)

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Junction Mount

PFA130-E

Pole Mount

PFB204W + PFA152-E

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Accessories

Optional:



