

DH-HAC-HDW1400EM

4MP HDCVI IR Eyeball Camera





- · Max 30fps@4MP
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8mm, 6mm/8mm optional)
- · Max. IR length 50m, Smart IR
- · IP67, DC12V













System Overview

Experience superior clarity of real-time 4Mega-pixel video with the simplicity of using existing cabling infrastructure. The Lite series features compact design and high quality image at friendly price. It offers various vari-focal/fixed lens models with multi-language OSD and HD/SD switchable output. The structure flexibility and best cost-performance makes lite series 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. Val-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm. Moreover, CCVI technology supports PoC for construction flexibility.

* Audio input is available for some models of HDCVI cameras

Long Distance Transmission

HDCVI technology guarantees long-distance and real-time transmission without any loss. It supports up to 700m or 4MP HD video via coaxial cable, and up to 300m via UTP cable.*

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

Simplicity

HDCVI technology inherits the form feature of simplicity from traditional analog surveillance system, saking itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without regarding existing coaxial cabling. The plug and play approach enables will 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/W image under low illumination. Dahua's unique Smart IR adjusts to the intestity 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 witchable

The conera supports switchable HDCVI high definition video output and CVB standard definition video output. The two formats can be switched out through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with both HCVRs and existing analog DVRs and also 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 ±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

Pan / Tilt / Rotation

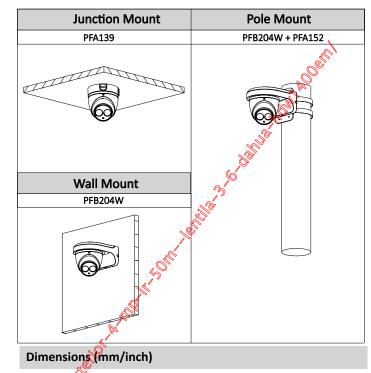
Pan/Tilt/Rotation

Pan: 0° ~ 360° Tilt: 0° ~ 78°

Rotation: 0° ~ 360°

Technical Specification			Video	
Camera			Resolution	4MP (2560×1440)
Image Sensor	1/3" CMOS		Frame Rate	25/30fps@4MP, 25/30fps@1080P, 25/30fps@720P
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 / DWDR
S/N Ratio	More than 65dB		WDR	DWDR 7
IR Distance	Up to 50m (164feet)		Gain Control	AGC
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			CE (EN55032, EN55024, EN50130-4)
Focal Length	3.6mm (2.8mm, 6mm, 8m	nm Optional)	Certifications	FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Max Aperture	F2.0		Interface	
Angle of View	H: 84.8° (99.7°/52.5°/32.9°)		Amio Interface	N/A
Focus Control	N/A		* Eelectrical	
Close Focus Distance	1100mm (800mm/2200mm/4000mm) 43.3" (31.5"/86.6"/157.5")		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 was y to			Environmental	
pinpoint the right camera for your needs. The DORI distance is calculated based or 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 ~ +60°C (-40°F ~ +140°F) / Less than 90% RH * Start up should be done at above -40°C (-40°F)	
entend for beteet, observe, need	DORI	~	Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
	Definition	Distance 2.8mm: 63m(208ft)	Ingress Protection & Vandal Resistance	IP67
Detect	25px/m (8px/ft)	3.6mm: 80m(262ft) 6mm: 117m(385ft) 8mm: 161m(527ft)	Construction	
			Casing	Aluminium
Observe 6	63px/m (19px/ft)	2.8mm: 25m(83ft) 3.6mm: 32m(105ft) 6mm: 47m(154ft) 8mm: 64m(210ft)	Dimensions	Ф106mm×93.7mm (Ф4.17"×3.69")
			Net Weight	0.42kg (0.93lb)
	125px/m	2.8mm: 13m(42ft) 3.6mm: 16m(53ft)	Gross Weight	0.55kg (1.21lb)
Recognize	(38px/ft)	6mm: 23m(77ft) 8mm: 32m(105ft)		
Identify	250ppm (76px/ft)	2.8mm: 6m(21ft) 3.6mm: 8m(26ft) 6mm: 12m(39ft)		

Ordering Information					
Туре	Part Number	Description			
4MP Camera	DH-HAC-HDW1400EMP 2.8mm	4MP HDCVI IR Eyeball Camera, PAL			
	DH-HAC-HDW1400EMP 3.6mm				
	DH-HAC-HDW1400EMP 6mm				
	DH-HAC-HDW1400EMP 8mm				
	DH-HAC-HDW1400EMN 2.8mm	4MP HDCVI IR Eyeball Camera, NTSC			
	DH-HAC-HDW1400EMN 3.6mm				
	DH-HAC-HDW1400EMN 6mm				
	DH-HAC-HDW1400EMN 8mm				
	PFA139	Junction box (For use alone)			
	PFB204W	Wall mount (For use alone or with PFA152 pole mount)			
	PFA152	Pole mount (For use with PFB204W wall mount)			
Accessories	PFM800	Passive HDCVI Balun			
	PFM801	Passive HDCVI Balun with Power			
	PFM809-4CH	4 Channel Passive HDCVI Balun			
	PFM809	16 Channel Passive HDCVI Balun			
	PFM810	POC Transceiver			
Accessories		é			



Optional:





Ø106 [Ø4.17"]

ø69 [ø2.72°]

4-04.5 [00.18"]

HDCVI Balun