

DH-HAC-HFW1400D

4MP HDCVI IR Bullet Camera

HDCVI



- · Max 30fps@4MP
- · HD and SD output switchable
- · 3.6mm fixed lens (6mm, 8mm, 12mm optional)
- · Max. IR length 80m, 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. 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-distance and real-time transmission without any loss. It supports up to 700m for 4MP HD video via coaxial cable, and up to 300m 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 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 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 standard 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 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-HFW1400D

Technical Specification	
Camera	
Image Sensor	1/3" CMOS
Effective Pixels	2688(H)×1520(V), 4.1MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.03Lux/F2.0, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 80m (262feet)
IR On/Off Control	Auto / Manual
IR LEDs	2
Lens	
Lens Type	Fixed lens / Fixed iris
Mount Type	Board-in
Focal Length	3.6mm (6mm, 8mm, 12mm Optional)
Max Aperture	F2.0
Angle of View	H: 84.8° (52.5°/32.9°/23.6°)
Focus Control	N/A
Close Focus Distance	1100mm (2200mm/4000mm/8500mm) 43.3" (86.6"/157.5"/334.6")
DORI Distance	

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.

	DORI Definition	Distance	
Detect	25px/m (8px/ft)	3.6mm: 80m(262ft) 6mm: 117m(385ft) 8mm: 161m(527ft) 12mm: 250m(820ft)	
Observe	63px/m (19px/ft)	3.6mm: 32m(105ft) 6mm: 47m(154ft) 8mm: 64m(210ft) 12mm: 100m(328ft)	
Recognize	125px/m (38px/ft)	3.6mm: 16m(53ft) 6mm: 23m(77ft) 8mm: 32m(105ft) 12mm: 50m(164ft)	
Identify	250ppm (76px/ft)	3.6mm: 8m(26ft) 6mm: 12m(39ft) 8mm: 16m(53ft) 12mm: 25m(82ft)	

Pan / Tilt	/ Potation
Pan / Till ,	/ Rotation

	Pan: 0° ~ 360°
Pan/Tilt/Rotation	Tilt: 0° ~ 87°
	Rotation: 0° ~ 360°

Video	
Resolution	4MP (2560×1440)
Frame Rate	25/30fps@4MP, 25/30fps@1080P, 25/30fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
Day/Night	Auto (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC/HLC/DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D
White Balance	Auto / Manual
Smart IR	Auto / Manual
Certifications	
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)
Interface	

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)
Interface	
Audio Interface	N/A
Eelectrical	
Power Supply	12V DC ±25%
Power Consumption	Max 5.2W (12V DC, IR on)
Environmental	
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)
Storage Conditions	-40°C $^{\sim}$ +60°C (-40°F $^{\sim}$ +140°F) / Less than 90% RH
Ingress Protection &Vandal	IP67

Construction	
Casing	Aluminium
Dimensions	241.8mm×90.4mm×90.4mm (9.52"×3.56"×3.56")
Net Weight	0.59kg (1.30lb)
Gross Weight	0.72kg (1.59lb)

IP67

Resistance

Ordering Information			
Туре	Part Number	Description	
	DH-HAC-HFW1400DP 3.6mm		
	DH-HAC-HFW1400DP 6mm	4MP HDCVI IR Bullet Camera,	
	DH-HAC-HFW1400DP 8mm	PAL	
4MP Camera	DH-HAC-HFW1400DP 12mm		
	DH-HAC-HFW1400DN 3.6mm		
	DH-HAC-HFW1400DN 6mm	4MP HDCVI IR Bullet Camera,	
	DH-HAC-HFW1400DN 8mm	NTSC	
	DH-HAC-HFW1400DN 12mm		
Accessories	PFA135	Junction box (For use alone or with PFA150 pole mount)	
	PFA150	Pole mount (For use with PFA135 junction box)	
	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	

_				
Δα	מחי	SSO	r	Δc
\neg	·cc	330	ДЦ	

Optional:



PFA135 Junction box



with Power

PFM810 **POC Transceiver**







PFA150 Pole mount



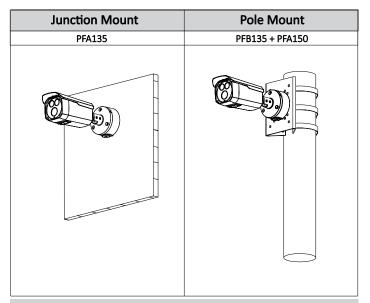
PFM800 Passive HDCVI Balun







16 Channel Passive **HDCVI** Balun



Dimensions (mm/inch)

