

DH-HAC-HDW1200T-Z-A

2MP HDCVI IR Eyeball Camera





- * The parameters and datasheets below an only be applied to 1200-S4 series.
- · Max 30fps@1080P
- · HD and SD output switchable
- · Built-in mic
- · 2.7-12mm motorized lens
- · Max. IR length 60m, 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. Val-way data transmission allows the HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. Moreover, the CVI 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 80% (1080P)/1200m(720P) transmission via coaxial cable, and up to 30% n(1080P)/450m(720P) via UTP cable.*

*Actual results verified by real-scene testing in Dania'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 an 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/Warage 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 care a 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 fewere makes the camera to be compatible with most end users' existing PD/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 -30 $^{\circ}$ C to +60 $^{\circ}$ C (-22 $^{\circ}$ F to +140 $^{\circ}$ F), the camera is designed for extreme temperature environments.

Supporting ±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-HDW1200T-Z-A

Technical Specification	
Camera	
Image Sensor	1/2.7" CMOS
Effective Pixels	1920(H)×1080(V), 2MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.02Lux/F1.8, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 60m (197feet)
IR On/Off Control	Auto / Manual
IR LEDs	2
Lens	
Lens Type	Motorized lens / Fixed iris
Mount Type	Board-in
Focal Length	2.7-12mm
Max Aperture	F1.8
Angle of View	H: 105.9°~33.4°
Focus Control	Motorized
Close Focus Distance	200mm 7.87"
DORI Distance	

DORI Distance

Note: The DORI distance is a "general proximity" of distance which makes it easy, 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 define the criteria for Detect, Observe, Recognize and Identify respectively.

	DORI Definition	Distance	
		Wide C	Tele
Detect	25px/m (8px/ft)	45mg 48ft)	132m(433ft)
Observe	63px/m (19px/ft)	(18m(59ft)	53m(173ft)
Recognize	125px/m (38px/m)	9m(30ft)	26m(87ft)
Identify	250px/m (**px/ft)	5m(15ft)	13m(43ft)

Pan / 1	Filt / Rot	ation
---------	------------	-------

Pan/Tilt/Rotation

Pan: 0° ~ 360° Tilt: 0° ~ 78° Rotation: 0° ~ 360°

Video

Resolution	1080P (1920×1080)
Frame Rates	25/30fps@1080P, 25/30/50/60fps@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	2D Auto / Manual
Smart IR	Auto / Manual
	~ <i>\oldow</i>

Certifications

CE (EN55032, EN55024, EN50130-4)

Certifications FCC (Part 15 subpartB, ANSI C63.4-2014)

ULCUL60950-1+CAN/CSA C22.2 No.60950-1)

Interface

Audio Interface Built-in Mic

Eelectrical

Power Supply 12V DC ±30%

Power Consumption Max 8.2W (12V DC, IR on)

Environmental

Operating Conditions $-30^{\circ}\text{C} \sim +60^{\circ}\text{C} \left(-22^{\circ}\text{F} \sim +140^{\circ}\text{F}\right) / \text{Less than 95\% RH}$ * Start up should be done at above-30°C (-22°F) $-30^{\circ}\text{C} \sim +60^{\circ}\text{C} \left(-22^{\circ}\text{F} \sim +140^{\circ}\text{F}\right) / \text{Less than 95\% RH}$ Ingress Protection & Vandal Resistance |P67|

Construction

Casing	Aluminium
Dimensions	Ф122mm×104mm (Ф4.8"×4.1")
Net Weight	0.57kg (1.26lb)
Gross Weight	0.72kg (1.59lb)

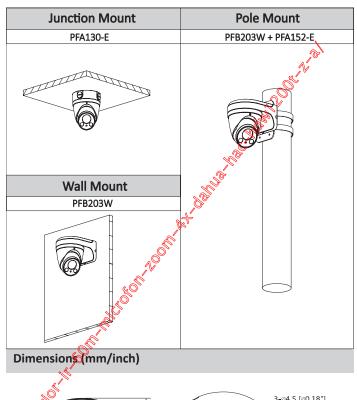
Ordering Information		
Туре	Part Number	Description
21.40.0	DH-HAC-HDW1200TP-Z-A	2MP HDCVI IR Eyeball Camera, PAL
2MP Camera	DH-HAC-HDW1200TN-Z-A	2MP HDCVI IR Eyeball Camera, NTSC
	PFA130-E	Junction box (For use alone)
	PFB203W	Wall mount (For use alone or with PFA152-E pole mount)
	PFA152-E	Pole mount (For use with PFB203W wall mount)
	PFM820	UTC Controller
Accessories	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

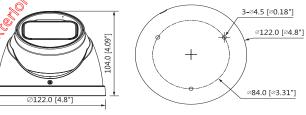
Accessories Optional:



PFM300

Power Adapter







PFM321

Adapter

PFM820 UTC Controller

12V 1A Power