

DH-HAC-HDW1200TL-A

2MP HDCVI IR Eyeball Camera



- * The parameters and datasheets below can only be applied to 1200-S5 series.
- · Max 30fps@1080P
- · HD and SD output switchable
- · 3.6 mm fixed lens (2.8 mm optional)
- · Built-in mic
- · Max. IR length 30 m, 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 *

*This function is available for select models.

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 IR LED 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-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-HDW1200TL-A

Video

Frame Rate

Resolution

Day/Night

White Balance
Gain Control

Noise Reduction

BLC WDR

Technical Specification						Smart IR	Yes
Camera						Electronic Defog	Yes
Image Sensor		1/2.7 inch CMOS				Mirror	Off/On
Effective Pixels		1920 (H) × 1080 (V), 2MP				Privacy Masking	Off/On (8 area, rectangle)
Scanning Sys	tem	Progressive				Certifications	
Electronic Shutter Speed		PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s				Certifications	CE (EN55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
S/N Ratio		>65dB					
Minimum Illu	ımination	0.02Lux/F1.9, 30IRE, 0Lux IR on				Port	
Fill Light Wor	king Distance	30 m (98.4 ft)				Audio Output	One channel built-in mic (-A)
IR On/Off Co	ntrol	Auto; manual				Addio Odiput	Video output choices of CVI/TVI/AHD/CVBS by one
IR LED Numb	er	1				Video Output	BNC port
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Power	
						Power Supply	12V ±30% DC
Lens						Power Consumption	Max 3.3W (12V DC, IR on)
Lens Type		Fixed-focal				Environment	
Mount Type		M12				Operating Temperature	-40°C to $+60^{\circ}\text{C}$ (-40°F to 140°F); <95% (noncondensation)
Focal Length Max. Aperture		2.8 mm; 3.6 mm F1.9				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non- condensation)
Field of View		2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)				Protection Grade	IP67
						Structure	
						Casing	Metal upper dome+plastic lower dome+plastic cover
Iris Type		Fixed iris				Camera Dimensions	ф97.0 mm × 85.8 mm (ф3.82" × 3.38")
Close Focus Distance		2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)				Net Weight	0.22 Kg (0.49 lb)
						Gross Weight	0.28 Kg (0.62 lb)
DORI Distance	Lens	Detect	Observe	Recognize	Identify		
	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)		
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5 m (16.4 ft)		

CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps;

720F@30760fps; AHD: 1080P@25/30fps; 720P@25/30fps; TVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps;

1080P (1920×1080); 720P (1280×720); 960H (960×

CVBS: 960H

576/960×480)

DWDR
Auto; manual

2D NR

Auto; manual

Auto switch by ICR

BLC/HLC/DWDR

Ordering Information							
Туре	Part Number	Description					
	DH-HAC- HDW1200TLP-A 2.8mm						
2MP Camera	DH-HAC- HDW1200TLN-A 2.8mm	2MP HDCVI IR Eyeball Camera					
ZIVIF CAITIELA	DH-HAC- HDW1200TLP-A 3.6mm						
	DH-HAC- HDW1200TLN-A 3.6mm						
	PFA13G	Junction Box					
	PFB205W	Wall Mount Bracket (For use alone or with PFA152-E)					
	PFA152-E	Pole Mount Bracket (For use with PFB205W)					
	PFA12A	Plastic Junction Box					
Accessories	PFA106	Mount Adapter (For use with PFB220C)					
	PFB220C	Ceiling Mount Bracket (For use with PFA106)					
	PFM800-E	Passive HDCVI Balun					
	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					

Ceiling Mount	Wall Mount 1	Wall Mount 2	
PFA13G	PFB205W	PFA12A	
Pole Mount	Hanging Mount		
PFB205W+PFA152-E	PFA106+PFB220C		

Dimensions (mm[inch]) @97 [@3.82] 10 . @4.5 [@0.18]

Accessories

Optional:



PFA13G Junction Box



PFB205W Wall Mount Bracket (For use alone or with PFA152-E)



PFA152-E Pole Mount Bracket (For use with PFB204W)



PFA12A Plastic Junction Box



PFA106 Mount Adapter (For use with PFB220C)



PFB220C Ceiling Mount Bracket (For use with PFA106)



PFM800-E Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester