

DH-HAC-HDW1801TL/TL-A

4K HDCVI IR Eyeball Camera



- 120dB True WDR, 3DNR
- Max. 4K resolution
- CVI/CVBS/AHD/TVI switchable
- Built-in mic (-A)
- Fixed lens (2.8mm; 3.6mm optional)
- Max. IR length 30m, Smart IR
- IP67, 12V±30%DC



System Overview

Experience 4K video surveillance with the simplicity of reusing existing coaxial infrastructure. The 4K HDCVI camera adopts a powerful Dahua ISP and advanced 1/2.7" CMOS sensor, which provides superior high quality images. In addition, the camera features broadcast quality audio to provide enhanced supplementary evidence collection. Ultra-high definition and a complete set of features makes the 4K HDCVI camera an ideal choice for mid to large-size businesses and projects where both highly reliable surveillance and construction flexibility are demanded.

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 real-time transmission at long distance without any loss. It supports up to 700m transmission for 4K and 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.

Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

*Broadcast-quality Audio is available for some models of HDCVI cameras

Multiple-formats

The camera supports multiple video formats including HDCVI, CVBS, and other two common HD analog formats in the market. This feature makes the camera compatible with not only XVRs, but also most existing HD/SD DVRs.

*Use OSD menu to switch HDCVI to other video formats. Use PFM820 UTC Controller to switch CVBS to HDCVI video format.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Advanced 3DNR

3DNR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Dahua's advanced 3DNR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3DNR effectively decreases the band width and saves the storage space.

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.

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.

Technical Specification						Certifications	
Camera						<	

Ordering Information

Type	Part Number	Description
4K Camera	DH-HAC-HDW1801TLP-0280B	4K HDCVI IR Eyeball Camera
	DH-HAC-HDW1801TLN-0280B	
	DH-HAC-HDW1801TLP-0360B	
	DH-HAC-HDW1801TLN-0360B	
	DH-HAC-HDW1801TLP-A-0280B	
	DH-HAC-HDW1801TLN-A-0280B	
	DH-HAC-HDW1801TLP-A-0360B	
Accessories	PFA130-E	Junction box (For use alone or with PFA152-E pole mount)
	PFA12A	Plastic Junction box (For use alone)
	PFA152-E	Pole box (For use with PFA130-E junction mount)
	PFM820	UTC Controller
	PFM800-E	Passive HDCVI Balun
	PFM800-4K	Passive Video Balun
	PFM800B-4K	Passive Video Balun
	PFM320D-015	12V 1.5A Power Adapter
	PFM300	12V 2A Power Adapter

Accessories

Optional:



PFA130-E
Junction box
(For use alone or with
PFA152-E pole mount)



PFA12A
Plastic Junction box
(For use alone)



PFA152-E
Pole box
(For use with PFA130-E
junction mount)



PFM820
UTC Controller



PFM800-E
Passive HDCVI Balun



PFM800-4K
Passive Video Balun



PFM800B-4K
Passive Video Balun



PFM320D-015
12V 1.5A Power
Adapter



PFM300
12V 2A Power
Adapter

Junction Mount	Wall Mount	Pole Mount
PFA130-E	PFA12A	PFA130-E+PFA152-E

Dimensions (mm/inch)

