

# DH-HAC-HDW1801TLM-IL-A

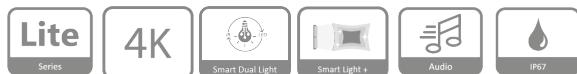
## 4K Smart Dual Light HDCVI Fixed-focal Eyeball Camera



\* The parameters and datasheets below can only be applied to 1801-IL-S3 series.

\* In order to use the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.000004.1.R.220323 or later version.

- Max. 15 fps@4K.
- Smart Dual Light.
- 30 m illumination distance.
- Super Adapt.
- Built-in Mic.
- 3.6 mm fixed lens (2.8 mm optional).
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.



### Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

### Advanced 3DNR

Dahua's advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

### Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes.

Wide voltage: The camera has  $\pm 30\%$  input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio\*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

\* Audio input is available for select HDCVI camera models.

### Series Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

### Functions

#### Smart Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of AI XVR detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR light to significantly reduce light pollution.

#### Smart Light+

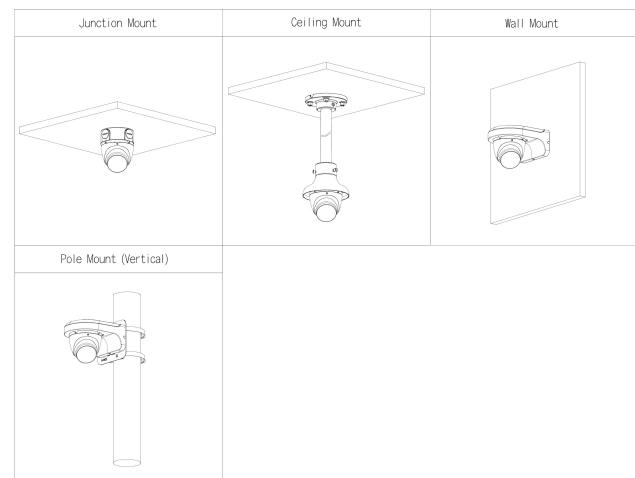
Equipped with advanced LEDs and beam processing technology, the camera effectively reduces interference of stray light, ensuring concentrated illumination within the lens's field of view. This allows the camera to easily produce clear images that reveal the fine details of targets even in low light conditions.

#### Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

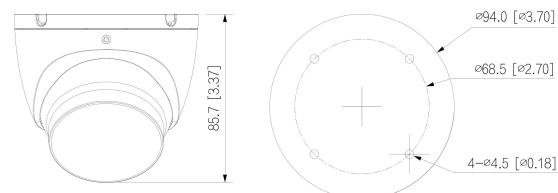
Technical Specification										
Camera										
Image Sensor										
Max. Resolution										
Scanning System										
Electronic Shutter Speed										
Min. Illumination										
S/N Ratio										
Illumination Distance										
Illuminator On/Off Control										
Illuminator Number										
Angle Adjustment										
Lens										
Lens Type										
Lens Mount										
Focal Length										
Max. Aperture										
Field of View										
Iris Control										
Close Focus Distance										
DORI Distance	Lens		Detect	Observe	Recognize					
	2.8 mm		88.0 m ( 288.71 ft)	35.2 m ( 115.49 ft)	17.6 m ( 57.74 ft)					
	3.6 mm		113.6 m ( 372.70 ft)	45.4 m ( 148.95 ft)	22.7 m ( 74.48 ft)					
*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.										
Video										
Video Frame Rate	CVI: PAL: 4K@15 fps; NTSC: 4K@15 fps; AHD: PAL: 4K@15 fps; NTSC: 4K@15 fps; TVI: PAL: 4K@15 fps; NTSC: 4K@15 fps; CVBS: PAL: 960H NTSC: 960H									
	Resolution									
Day/Night										
BLC										
WDR										
White Balance										
Gain Control										
Noise Reduction										
Illumination Mode										
Mirror										
Certification										
Certifications										
Audio										
Built-in Mic										
Camera Audio										
Pick-up Distance										
Port										
Video Output										
Power										
Power Supply										
Power Consumption										
Environment										
Operating Temperature										
Operating Humidity										
Storage Temperature										
Storage Humidity										
Protection										
Anti-corrosion Level										
Structure										
Casing Material										
Product Dimensions										
Net Weight										
Gross Weight										
Installation										
Ordering Information										
Type										
HDCVI CAMERA	Model									
	Description									
DH-HAC-HDW1801TLMN-IL-A										
DH-HAC-HDW1801TLMP-IL-A										

Type	Model	Description
Accessories (Optional)	DH-PFA106	Mount Adapter
	DH-PFB220C	Ceiling Mount Bracket
	DH-PFB305W	Wall Mount Bracket
	DH-PFA151	Corner Mount Bracket
	DH-PFA150	Pole Mount Bracket
	DH-PFA152-E	Pole Mount Bracket
	DH-PFB2204W	Wall Mount Bracket
	DH-PFA13A-E	Junction Box
	DH-PFM800-4K	1 Channel Passive HDCVI Balun
	DH-PFM321-EN	DC12V1A power adapter
	DH-PFM320D-EN	DC12V2A power adapter
	PFM904	Integrated Mount Tester



### Dimensions (mm[inch])

mm [inch]



### Accessories

Optional:



DH-PFA106  
Mount Adapter



DH-PFA13A-E  
Junction Box



DH-PFA150  
Pole Mount Bracket



DH-PFA151  
Corner Mount Bracket



DH-PFA152-E  
Pole Mount Bracket



DH-PFB2204W  
Wall Mount Bracket



DH-PFB220C  
Ceiling Mount Bracket



DH-PFB305W  
Wall Mount Bracket



DH-PFM320D-EN  
DC12V2A power adapter



DH-PFM321-EN  
DC12V1A power adapter



DH-PFM800-4K  
1 Channel Passive HDCVI  
Balun



PFM904  
Integrated Mount Tester