

DH-HAC-HDW1801T-Z-A

4K IR HDCVI Motorized Vari-Focal Eyeball Camera



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

- Max. 15fps@4K.
- 3D NR.
- 80 m illumination distance.
- Built-in Mic.
- Super Adapt.
- 2.7-13.5 mm motorized lens.
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.



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

Built-in Mic

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.

Smart IR Illumination

With its IR illumination, the camera provides optimal performance in low light conditions, ensuring uniformity in the brightness of B/W images. Through its smart IR technology, the camera also compensates for the distance of targets by adjusting the intensity of its IR LEDs, preventing overexposure of images as targets move closer to the camera.

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.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

Technical Specification								
Camera								
Image Sensor			BLC					
Max. Resolution			BLC; HLC; WDR					
Scanning System			WDR					
Electronic Shutter Speed			White Balance					
Min. Illumination			Auto					
S/N Ratio			Gain Control					
Illumination Distance			3D NR					
Illuminator On/Off Control			Noise Reduction					
Illuminator Number			Illumination Mode					
Angle Adjustment			Smart IR					
Lens								
Lens Type			Mirror					
Auto Focus			Yes					
Lens Mount			Certification					
Focal Length			Certifications					
Max. Aperture			CE-LVD: EN 62368-1					
Field of View			CE-EMC: EN 55032; EN 55035					
Iris Control			Audio					
Close Focus Distance			Built-in Mic					
DORI Distance	Lens		Yes					
	W		Camera Audio					
*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								
Video			Pick-up Distance					
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@50 fps NTSC: 960H@60 fps							
	4K (3840 × 2160); 960H (960 × 576/960 × 480)							
Resolution			Port					
Day/Night			Video Output					
4K (3840 × 2160); 960H (960 × 576/960 × 480)								
Auto(ICR)/Color/B/W								
*The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.								
Structure								
Casing Material			Power					
Product Dimensions			Power Supply					
Net Weight			Power Consumption					
Gross Weight			Operating Temperature					
Installation			-30 °C to +60 °C (-22 °F to +140 °F)					
			Operating Humidity					
			<95% (RH), non-condensing					
			Storage Temperature					
			-30 °C to +60 °C (-22 °F to +140 °F)					
			Storage Humidity					
			<95% (RH), non-condensing					
			Protection					
			IP67					
			Basic Protection					
			*The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.					
Environment								
Structure								
Casing Material			Casing Material					
Product Dimensions			Metal					
Net Weight			Product Dimensions					
Gross Weight			Φ122 mm × 108.2 mm (Φ4.80" × 4.26")					
Installation			Net Weight					
			0.58 kg (1.28 lb)					
			Gross Weight					
			0.74 kg (1.63 lb)					
			Installation					
			Wall mount; ceiling mount; vertical pole mount					

Ordering Information

Type	Model	Description
HDCVI CAMERA	DH-HAC-HDW1801TN-Z-A	4K IR HDCVI Motorized Vari-Focal Eyeball Camera,NTSC
	DH-HAC-HDW1801TP-Z-A	4K IR HDCVI Motorized Vari-Focal Eyeball Camera,PAL
Accessories (Optional)	DH-PFB220C	Ceiling Mount Bracket
	DH-PFA106	Mount Adapter
	DH-PFA151	Corner Mount Bracket
	DH-PFB305W	Wall Mount Bracket
	DH-PFA150	Pole Mount Bracket
	DH-PFB2203W	Wall Mount Bracket
	DH-PFA156	Pole Mount Bracket
	DH-PFA137	Junction Box
	DH-PFM800-4K	1 Channel Passive HDCVI Balun
	DH-PFM321-EN	DC12V1A power adapter

Optional:



DH-PFM321-EN
DC12V1A power adapter



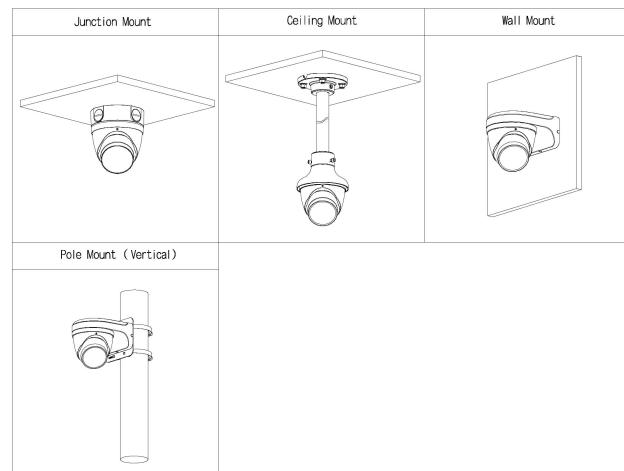
DH-PFM325D-1210EN
DC12V 1A Power Adapter



DH-PFM320D-EN
DC12V2A power adapter



PFM904
Integrated Mount Tester



Accessories

Optional:



DH-PFB220C
Ceiling Mount Bracket



DH-PFA106
Mount Adapter



DH-PFA151
Corner Mount Bracket



DH-PFB305W
Wall Mount Bracket



DH-PFA150
Pole Mount Bracket



DH-PFB2203W
Wall Mount Bracket



DH-PFA156
Pole Mount Bracket



DH-PFA137
Junction Box



DH-PFM800-4K
1 Channel Passive HDCVI
Balun

Dimensions (mm[inch])

