

# DH-HAC-HDW2401M

4MP HDCVI WDR IR Eyeball Camera





- · Max 4MP real-time
- · HD and SD dual-output
- · 3.6mm fixed lens (2.8mm, 6mm optional)
- · Max. IR length 30m, Smart IR
- · IP67, DC12V













#### **System Overview**

Experience superior clarity of real-time 4Mega-pixel video with the simplicity of using existing coaxial infrastructure. The 4MP HDCVI camera presents high quality image with clear details and accurate color rendition, and supports 120dB true WDR for applications under complex dynamic range. It offers various motorized/fixed lens models with multi-language OSD and HD&SD dual-output. The higher resolution and complete features make the 4MP HDCVI camera an ideal choice for motorized described by the surveillance and construction flexibility are concerned.

#### **Functions**

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted of 1 coaxial cable simultaneously, i.e. video, audio\*, data and poor. Dual-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm. More for the HDCVI technology supports PoC for construction flexibility.

\* Audio input is available for some models of HDCVI camer

#### **Long Distance Transmission**

HDCVI technology guarantees real-tifter ransmission at long distance without any loss. It supports up to form transmission for 4MP HD video via coaxial cable, and up to 300m, and UTP cable.\*

\*Actual results verified by real-scene testion in Dahua's test laboratory.

#### **Simplicity**

HDCVI technology inher the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI when can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach analogs full HD video surveillance without the hassle of configuring and work.

#### Multi-outputs

The camera supports HDCVI and CVBS signal outputs simultaneously with two BNC connectors. Multi-outputs facilitates construction in such situations as debugging through a tester. It also offers the possibility for cooperating with multiple devices including analog matrix or monitor.

#### Smart IR

The camera is designed with microcrystalline LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness unificately in B/W image under low illumination. Dahua's unique Smart IR actions to the intensity of camera's infrared LEDs to compensate for the camera of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

#### **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.

#### **Large Aperture Lens**

The camera adopts high-end F1.5 large aperture lens. With higher amount of absorbed light, the camera presents an impressive lowlight performance.

#### 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  $\pm 25\%$  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.

# Pro Series | DH-HAC-HDW2401M

Gain Control

Noise Reduction

White Balance

Smart IR

2D/3D

Auto / Manual

Auto / Manual

Technical Specificatio	n	Certifications	
Camera	100000	Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANS) C63 UL (UL60950-1+CAN/CSA C22.2 No.60950-1
Image Sensor	1/3" CMOS	Interface	
Effective Pixels	2688(H)×1520(V), 4.1MP	Audio Interface	N/A
Scanning System	Progressive		N/A
Electronic Shutter Speed	PAL: 1/4s~1/100,000s NTSC: 1/3s~1/100,000s	Eelectrical Power Supply	12V DC ±25%
Minimum Illumination	0.01Lux/F1.5, OLux IR on	Power Consumption	Max 4.1W (12V DC, IR on)
S/N Ratio	More than 65dB	Environmental	
R Distance	Up to 30m (98feet)	Operating Conditions	-30°C / +60°C (-22°F ~ +140°F) / Less than 90
IR On/Off Control	Auto / Manual	Storage Conditions	* Start up should be done at above -30°C (-22 30°C ~ +60°C (-22°F ~ +140°F) / Less than 90
IR LEDs	12	Ingress Protection & Vanda	
Lens		Resistance	IP67
Lens Type	Fixed lens / Fixed iris	Construction	
Mount Type	Board-in	Casing	Aluminium
Focal Length	3.6mm (2.8mm, 6mm Optional)	Dimensions	Ф93.4mm×79.4mm (Ф3.68"×3.13")
Max Aperture	F1.5	Net Weigh	0.28kg (0.62lb)
Angle of View	H: 79° (99.7°/48.6°)	Gross Weight	0.35kg (0.77lb)
Focus Control	N/A		
Close Focus Distance	1500mm (900mm, 1700mm) 59.06" (35.43", 66.93")		
Pan / Tilt / Rotation			
Pan/Tilt/Rotation	H: 79° (99.7°/48.6°)  N/A  1500mm (900mm, 1700mm) 59.06" (35.43", 66.93")  Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°		
Video			
Resolution	4MP (2560×1440)		
Frame Rate	25fps@4MP, 25/30fps@1080P, 25/30fps@720P		
Video Output	1-channel BNC HDCy (high definition video output & 1-channel BNC CVBs video output		
Day/Night	Auto (ICR) / Manual		
OSD Menu	Multi-language		
BLC Mode	BLC/100° / WDR		
WDR	120dB		

Ordering Information			
Туре	Part Number	Description	
	DH-HAC-HDW2401MP 2.8mm	4MP HDCVI WDR IR Eyeball Camera, PAL	
	DH-HAC-HDW2401MP 3.6mm		
4MP Camera	DH-HAC-HDW2401MP 6mm		
4IMP Camera	DH-HAC-HDW2401MN 2.8mm	4MP HDCVI WDR IR Eyeball Camera, NTSC	
	DH-HAC-HDW2401MN 3.6mm		
	DH-HAC-HDW2401MN 6mm		
	PFA13A	Junction box (For use alone)	
Accessories	PFB204W	Wall mount (For use alone or with PFA152 pole mount)	
	PFA152	Pole mount (For use with PFB204W wall mount)	

## **Accessories**

### Optional:







PFA13A Junction box

PFB204W Wall mount

PFA152 Pole mount





