

# DH-HAC-HFW2401E

4MP HDCVI WDR IR Bullet Camera

### HDCVI



- · 120dB True WDR, 3DNR
- · Max 4MP real-time
- · HD and SD dual-output
- · 3.6mm fixed lens (2.8mm, 6mm optional)
- · Max. IR length 40m, 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 mid to large-size business and common projects where both highly reliable surveillance and construction flexibility are concerned.

#### **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 camera.

#### **Long Distance Transmission**

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

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

#### **Simplicity**

HDCVI technology inheres the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI stem 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 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 designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W mage 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.

#### **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

lightning.

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

#### **Elaborate Design**

In order to minimize the interference against on-going business activities, as well as meeting aesthetics requirements, the front face of camera is designed with dark glass.

## Pro Series | DH-HAC-HFW2401E

Gain Control

Smart IR

Noise Reduction
White Balance

◇AGC

Auto / Manual

Auto / Manual

Technical Specification	n	Certifications	
Camera		Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANS UL (UL60950-1+CAN/CSA C22.2 No.60
Image Sensor	1/3" CMOS	Interface	02 (0200330 1:0:0), 03:1 022:2 10:003
ffective Pixels	2688(H)×1520(V), 4.1MP	Audio Interface	N/A
canning System	Progressive		IN/A
lectronic 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, 0Lux IR on	Power Consumption	Max 5.9W (12V D.C., IR on)
/N Ratio	More than 65dB	Environmental	
R Distance	Up to 40m (130feet)	Operating Conditions	-30°\$ ~ +60°C (-22°F ~ +140°F) / Less the * Start up should be done at above -30°
R On/Off Control	Auto / Manual	Storage Conditions	30°C ~ +60°C (-22°F ~ +140°F) / Less tha
R LEDs	2	Ingress Protection & Vandal	
ens		Resistance	IP67
ens Type	Fixed lens / Fixed iris	Construction	
Mount Type	Board-in	Casing	Aluminium
ocal Length	3.6mm (2.8mm, 6mm Optional)	Dimensions	180mm×70mm×70mm (7.09"×2.76"×2.7
Лах Aperture	F1.5	Net Weight	0.40kg (0.89lb)
Angle of View	H: 79° (99.7°/48.6°)	Gross Weight	0.51kg (1.12lb)
ocus Control	N/A		
lose Focus Distance	1500mm (900mm, 1700mm) 59.06" (35.43", 66.93")	D	
Pan / Tilt / Rotation			
an/Tilt/Rotation	N/A  1500mm (900mm, 1700mm) 59.06" (35.43", 66.93")  Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°		
/ideo			
esolution	4MP (2560×1440)		
rame Rate	25fps@4MP, 25/30fps@1080P, 25/30fps@720P		
ideo Output	1-channel BNC HDCY (kg) definition video output & 1-channel BNC CVBS video output		
Day/Night	Auto (ICR) / Manual		
OSD Menu	Multi-langoage		
BLC Mode	BLC / HOE / WDR		
VDR	120dB		

Ordering Information			
Туре	Part Number	Description	
	DH-HAC-HFW2401EP 2.8mm	4MP HDCVI WDR IR Bullet Camera, PAL	
	DH-HAC-HFW2401EP 3.6mm		
4MP Camera	DH-HAC-HFW2401EP 6mm		
4IVIP Camera	DH-HAC-HFW2401EN 2.8mm		
	DH-HAC-HFW2401EN 3.6mm	4MP HDCVI WDR IR Bullet Camera, NTSC	
	DH-HAC-HFW2401EN 6mm		
Accessories	PFA121	Junction box (For use alone or with PFA152 pole mount)	
Accessories	PFA152	Pole mount (For use with PFA121 junction box)	
Accessories			

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#### Optional:





PFA121 Junction box

PFA152 Pole mount

Junction Mount	Pole Mount	
PFA121	PFB121 + PFA152	



