

DH-HAC-HDW3200L

2MP HDCVI IR Eyeball Camera



- Max 30fps@1080p
- CVI/CVBS/AHD/TVI switchable
- Built-in Mic
- 2.1 mm fixed lens
- Max. IR length 3 m, Smart IR
- DC12V



System Overview

Experience 1080p full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Micro-size series 1080p HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various motorized/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

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 XVR, 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 800 m (1080p)/1200 m (720p) transmission via coaxial cable, and up to 300 m (1080p)/450 m (720p) via UTP cable.*

*This function is available for select models.

Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself the 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.

Smart IR

The camera is designed with IR LED illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image 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.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Technical Specification					Mirror	Off/On
Camera					Privacy Masking	Off/On (8 area, rectangle)
Image Sensor		1/2.7 inch CMOS				
Max. Resolution		1920 (H) x 1080 (V)				
Pixel		2MP				
Scanning System		Progressive				
Electronic Shutter Speed		PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s				
S/N Ratio		>65 dB				
Min. Illumination		0.02 Lux/F2.0, 30IRE, 0 Lux IR on				
Illumination Distance		3 m (9.8 ft)				
Illuminator On/Off Control		Auto; manual				
Illuminator Number		1 (IR)				
Pan/Tilt/Rotation Range		Pan: 40° Tilt: 55° Rotation: 360°				
Lens						
Lens Type		Fixed-focal				
Mount Type		M12				
Focal Length		2.1 mm				
Max. Aperture		F2.0				
Field of View		H: 132°; V: 69°; D: 164°				
Iris Type		Fixed iris				
Close Focus Distance		0.5 m (1.64 ft)				
DORI Distance		Detect	Observe	Recognize	Identify	
	2.1 mm	35.5m (116.5 ft)	14.2 m (46.6 ft)	7.1 m (23.3 ft)	3.5 m (11.5 ft)	
Video						
Frame Rate		CVI: 1080p@25/30fps; 720p@25/30fps; 720p@50/60fps; AHD: 1080p@25/30fps; 720p@25/30fps; TVI: 1080p@25/30fps; 720p@25/30fps; 720p@50/60fps; CVBS: 960H				
Resolution		1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)				
Day/Night		Electronic				
BLC		BLC/HLC/DWDR				
WDR		DWDR				
White Balance		Auto; manual				
Gain Control		Auto; manual				
Noise Reduction		2D NR				
Smart IR		Yes				

Audio Interface	Built-in Mic
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Power	
Power Supply	12V ±30% DC
Power Consumption	Max 1.9W (12V DC, IR on)
Environment	
Operating Temperature	−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)
Storage Temperature	−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)
Structure	
Casing	Plastic
Dimensions	71.6 mm × 60.9 mm × 45.9 mm (2.82" × 2.4" × 1.81")
Net Weight	0.09 kg (0.20 lb)
Gross Weight	0.17 kg (0.37 lb)

Ordering Information		
Type	Part Number	Description
2MP Camera	DH-HAC-HDW3200LP 2.1 mm	2MP HDCVI IR Eyeball Camera, PAL
	DH-HAC-HDW3200LN 2.1 mm	2MP HDCVI IR Eyeball Camera, NTSC
Accessories	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester
	PFM800-E	Passive HDCVI Balun
	PFM820	UTC Controller

Accessories

Dimensions (mm[inch])

Optional:



PFM321D
12V 1A Power Adapter



PFM904
Integrated Mount Tester



PFM800-E
Passive HDCVI Balun



PFM820
UTC Controller

