

DH-HAC-HDW3200G

2MP HDCVI IR Miniature Eyeball Camera



- Max 30fps@1080p
- CVI/CVBS/AHD/TVI switchable
- Built-in Mic
- 3.6 mm fixed lens (2.8 mm optional)
- Max. IR length 20 m, Smart IR
- IP67, 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.

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.

With working temperature range of -40°C to +60°C (-40°F to 140°F), the camera is designed for extreme temperature environments. Supporting ±30% 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.

Technical Specification					
Camera					
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		20 m (65.6 ft)			
Illuminator On/Off Control		Auto; manual			
Illuminator Number		1 (IR)			
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Mount Type		M12			
Focal Length		2.8 mm; 3.6 mm			
Max. Aperture		2.8 mm: F2.0 3.6 mm: F2.0			
Field of View		2.8 mm: H: 101°; V: 54°; D: 119° 3.6 mm: H: 84°; V: 45°; D: 100°			
Iris Type		Fixed iris			
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.8 m (2.62 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5.0 m (16.4 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					
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		Auto switch by ICR			
BLC		BLC/HLC/DWDR			
WDR		DWDR			

White Balance		Auto; manual
Gain Control		Auto; manual
Noise Reduction		2D NR
Smart IR		Yes
Mirror		Off/On
Privacy Masking		Off/On (8 area, rectangle)
Certifications		
Certifications		CE/FCC, UL, IP6K9K, EN50155
Port		
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 2.3W (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)
Protection Grade		IP67
Structure		
Casing		Metal
Dimensions		Φ62.0 mm × 61.7 mm (Φ2.44" × 2.43")
Net Weight		0.17 kg (0.37 lb)
Gross Weight		0.27 kg (0.6 lb)

Ordering Information		
Type	Part Number	Description
2MP Camera	DH-HAC-HDW3200GP 2.8 mm	2MP HDCVI IR Miniature Eyeball Camera, PAL
	DH-HAC-HDW3200GP 3.6 mm	
	DH-HAC-HDW3200GN 2.8 mm	2MP HDCVI IR Miniature Eyeball Camera, NTSC
	DH-HAC-HDW3200GN 3.6 mm	
Accessories	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester
	PFM800-E	Passive HDCVI Balun

Accessories

Dimensions (mm[inch])

Optional:



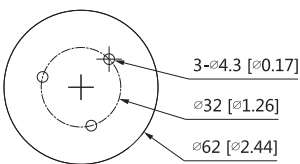
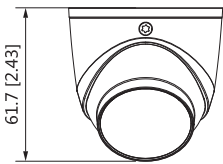
PFM321D
12V 1A Power Adapter



PFM904
Integrated Mount Tester



PFM800-E
Passive HDCVI Balun



Ceiling Mount

