

DH-HAC-HMW3200

2MP Mobile HDCVI IR Cube Camera



- Max 30fps@
- CVI/CVBS/AHD/TVI switchable
- Built-in Mic
- 2.1 mm fixed lens (2.8 mm optional)
- Max. IR length 20 m, Smart IR
- IP67, DC12V
- Shock-proof



System Overview

Experience a 1080p full HD mobile video surveillance solution with the simplicity of analog infrastructure. The mobile camera is designed with a shock-proof, compact case, which makes it convenient to install and adaptable to various applications. It offers a high quality image as well as a multi-language OSD. In addition, the camera employs the strengths of HDCVI to ensure real-time transmission.

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.

Shock-proof

Vibration is inevitable in mobile applications. In order to avoid image or connection failure, the hardware structure of the mobile camera is shock-proof with the certification of EN50155. Plus, the mobile camera adopts M12 aviation connector for stable connection with MCVR.

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						Gain Control		Auto; manual	
Camera						Noise Reduction		2D NR	
Image Sensor		1/2.7 inch CMOS				Smart IR		Yes	
Max. Resolution		1920 (H) x 1080 (V)				Mirror		Off/On	
Pixel		2MP				Privacy Masking		Off/On (8 area, rectangle)	
Scanning System		Progressive				Certifications			
Electronic Shutter Speed		PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s				Certifications		CE/FCC, UL, IP6K9K, EN50155, E-MARK	
S/N Ratio		>65 dB				Port			
Min. Illumination		0.02 Lux/F2.0, 30IRE, 0 Lux IR on				Audio Interface		Built-in Mic	
Illumination Distance		20 m (65.6 ft)				Video Output		1-channel CVI/CVBS/AHD/TVI switchable video output (Aviation connector)	
Illuminator On/Off Control		Auto; manual				Aviation Connector Interface		1-power 2-video ground 3-power ground 4-video	
Illuminator Number		1 (IR)				Power			
Pan/Tilt/Rotation Range		Tilt: 0°–180°				Power Supply		12V ±30% DC	
						Power Consumption		Max 2.3W (12V DC, IR on)	
Lens						Environment			
Lens Type		Fixed-focal				Operating Temperature		−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)	
Mount Type		M12				Storage Temperature		−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)	
Focal Length		2.1 mm; 2.8 mm				Protection Grade		IP67	
Max. Aperture		2.1 mm: F2.0 2.8 mm: F2.0				Structure			
Field of View		2.1 mm: H: 133°; V: 77°; D: 153° 2.8 mm: H: 106°; V: 55°; D: 126°				Casing		Metal	
Iris Type		Fixed iris				Dimensions		107.3 mm × 74.9 mm × 54.5 mm (4.23" × 2.95" × 2.15")	
Close Focus Distance		2.1 mm: 0.3 m (0.98 ft) 2.8 mm: 0.5 m (1.64 ft)				Net Weight		0.33 kg (0.73 lb)	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Gross Weight		0.44 kg (0.97 lb)	
	2.1 mm	31.3 m (102.7 ft)	12.5 m (41 ft)	6.3 m (20.7 ft)	3.1 m (10.2 ft)				
	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)				
	*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						Ordering Information			
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				Type	Part Number	Description	
Resolution		1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)				2MP Camera	DH-HAC-HMW3200P 2.1 mm;	2MP Mobile HDCVI IR Cube Camera, PAL	
Day/Night		Auto switch by ICR					DH-HAC-HMW3200P 2.8 mm;		
BLC		BLC/HLC/DWDR					DH-HAC-HMW3200N 2.1 mm;	2MP Mobile HDCVI IR Cube Camera, NTSC	
WDR		DWDR					DH-HAC-HMW3200N 2.8 mm;		
White Balance		Auto; manual							

Aviation Connector

Dimensions (mm[inch])

