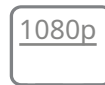# DH-HAC-HDBW3200FN-M

2MP Mobile HDCVI IR Dome Camera
(MODEL ON REQUEST)

· Maximum 30 fps at 1080p

CVI/CVBS/AHD/TVI switchable

· Built-in microphone

· 2.8mm fixed lens

· Max. Infrared length 20m, smart IR

· IP67, IK10, 12V DC

· Shockproof

| 1080p | twenty m IR | DC 12V | ICR D/N | IP67 | Audio |

System Summary

Experience a 1080p Full HD mobile video surveillance solution with the simplicity of analog infrastructure. The mobile camera is designed with a compact shockproof housing, making it convenient to install and adaptable to various applications. It offers a high quality image as well as a multilingual OSD. In addition, the camera employs the strengths of HDCVI to ensure real-time transmission.

Features

4 signals on 1 coaxial cable

HDCVI technology supports simultaneous transmission of 4 signals over 1 coaxial cable, i.e. video, audio*, data and power. Bi-directional data transmission allows the HDCVI camera to interact with the XVR, such as sending a control signal or triggering an alarm. Additionally, HDCVI technology supports PoC for added build flexibility.

*Audio input is available for some HDCVI camera models.

Shockproof

Vibration is inevitable in mobile applications. To avoid image or connection failure, the mobile camera's hardware structure is shockproof with EN50155 certification. Furthermore, the mobile camera adopts M12 aviation connector for stable connection with MCVR.

Simplicity

HDCVI technology inherits the simplicity characteristic of the traditional analog surveillance system, becoming the best option for investment protection. The 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 setting up a network.

Go clever

The camera is designed with IR LED illumination for better low light performance. Smart IR is a technology that ensures brightness uniformity in black and white images in low lighting. Dahua's unique Smart IR adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object and prevents the IR LEDs from overexposing images as the object approaches the camera.

OSD in multiple languages

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

Protection

The camera's extraordinary reliability is unsurpassed thanks to its rugged design. The camera is protected against water and dust with an IP67 rating, making it suitable for indoor or outdoor environments.

With an operating temperature range of –40°C to +60°C (–40°F to 140°F), the camera is designed for extreme temperature environments. By supporting an input voltage tolerance of ±30%, this camera adapts to even the most unstable power supply conditions. Its 4KV lightning rating protects 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	2 megapixels
Scanning system	Progressive
Electronic shutter speed	PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s
S/N Ratio	>65dB
Min. Illumination	0.002 Lux/F16,30IRE, 0 Lux IR on
Illumination distance	20 m (65.6 ft)
Illuminator on/off control	Car; manual
Illuminator number	8 (GO)
Pan/Tilt/Rotation Range	Panoramic: –30° to 30° Tilt: 0° to 80° Rotation: 0° to 360°

Lens

Lens type	Fixed focal
Mounting type	M12
Focal length	2.8 millimeters
Max. Opening	F1.6
Field of view	Height: 106°; V: 55°; Re: 126°
Iris type	fixed iris
Close focus distance	0.5m (1.64ft)

DORI Distance		Detect	Notice	Recognize	Identify
	2.8 millimeters	38.6 meters (126.6 ft)	15.4 meters (50.5 feet)	7.7 meters (25.3 ft)	3.9 meters (12.8 feet)

Video

Frames per second	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	Magnetic change by ICR
BLC	BLC/HLC/DWDR
WDR	DWDR
White balance	Car; manual
Gain control	Car; manual
noise reduction	2D noise reduction
Go clever	Yeah

Mirror	Off in
Privacy masking	Off/On (8 areas, rectangle)

Certifications

Certifications	CE/FCC, UL, IP6K9K, EN50155, ELECTRONIC MARK

Port

Audio interface	Built-in microphone
Video output	1-channel CVI/CVBS/AHD/TVI switchable video output (aviation connector)
Aviation connector interface	1 power Land of 2 videos 3 power earth 4 videos

Force

Power supply	12V ±30% DC
Power consumption	Max. 2.6W (12V DC, IRActivateeither)

Atmosphere

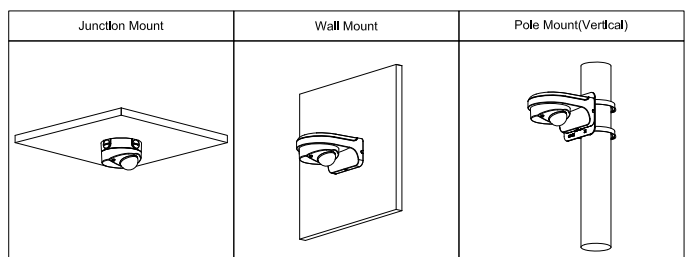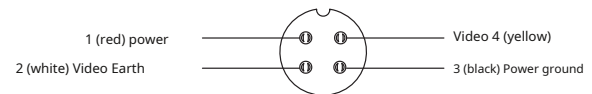|	
Operating temperature	– 40°C to +60°C (–40°F to 140°F); <95% (non-condensing)
Storage temperature	– 40°C to +60°C (–40°F to 140°F); <95% (non-condensing)
Degree of protection	IP67, IK10

Structure

Box	Metal
Dimensions	Φ106.0mm × 50.3mm (Φ4.17" × 1.98")
Net weight	0.33 kg (0.73 lb)
Gross weight	0.47 kg (1.04 lb)

Ordering information

Guy	Part number	Description
2MP camera	DH-HAC-HDBW3200FP-M 2.8 millimeters	2MP Mobile HDCVI IR Dome Camera, PAL
	DH-HAC-HDBW3200FN-M 2.8 millimeters	2MP HDCVI IR Mobile Dome Camera, NTSC

aviation connector

1 (red) power — Video 4 (yellow)
2 (white) Video Earth — 3 (black) Power ground

Junction Mount	Wall Mount	Pole Mount(Vertical)

Dimensions (mm[inches])

50.3 [1.98]

106 [4.17]

⌀106 [⌀4.17]

⌀91 [⌀3.58]

36°

⌀4.5 [⌀0.18]
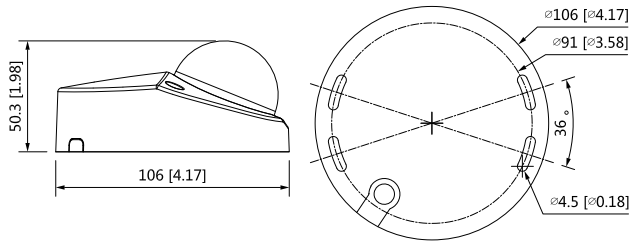
(i)Producto de Fabricación especial sobre pedido.