

DH-CA-MW183H-IR1

720TVL Mobile Analog IR Dome Camera

HDCVI



- 720TVL output (Aviation connector)
- 2.8mm fixed lens(3.6/6mm optional)
- Built-in mic
- Max 20 IR distance,smart IR
- IP67, IK10
- Shock-proof



System Overview

These series products adopt latest HDIS imaging technology with up to 720TVL resolution. The mobile camera is designed with shock-proof property and compact case, which makes it easy to apply and harmonious with the surroundings. It offers high quality image as well as multi-language OSD and auto regional white balance. Plus, taking advantage of the high signal-noise ratio, the noise control of the lowlight image is well guaranteed.

Functions

Elaborate Design

For better adapting the applications for vehicles, the mobile camera is designed with micro-sized compact case, which minimizes the interference against on-going activities. Taking aesthetics requirements into consideration, the body and front face of the camera is all-black.

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

Analog surveillance system is one of a best choice for investment protection. The plug and play approach enables standard definition video surveillance without the hassle of configuring a network. Dahua latest analog system offers multi-language OSD for adjusting image parameters to meet different surveillance requirements.

Audio

The camera is designed with built-mic for realizing audio collection and transmission over the aviation connector cable. Dahua's analog audio compression technology to ensure the synchronization of audio and video. Provides A/V evidence to avoid various incidents caused by oral dispute.

Smart IR

The camera is designed with micro-crystalline LED IR 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.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 and IK10 ranking, making it suitable for indoor or outdoor environments.

With working temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature 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 lightning.

Technical Specification

Camera

Image Sensor	1/3" CMOS
Effective Pixels	1280(H)×720(V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.05Lux/F2.0, 0Lux IR on, 30IRE
S/N Ratio	More than 65dB
IR Distance	Up to 20m (66feet)
IR On/Off Control	Auto / Manual
IR LEDs	8

Lens

Lens Type	Fixed lens / Fixed iris
Mount Type	Board-in
Focal Length	2.8mm (3.6/6mm Optional)
Max Aperture	F2.0
Angle of View	H: 87° (69°/45°)
Focus Control	N/A
Close Focus Distance	400mm (700mm/1350mm) 15.7" (27.6"/53.1")

DORI Distance

Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

	DORI Definition	Distance
Detect	25px/m (8px/ft)	2.8mm:24.2m(79.4ft) 3.6mm:34.9m(114.5ft) 6mm:42.7m(140.1ft)
Observe	63px/m (19px/ft)	2.8mm:9.7m(31.8ft) 3.6mm:14m(45.9ft) 6mm:17.1m(56.1ft)
Recognize	125px/m (38px/ft)	2.8mm:4.8m(15.7ft) 3.6mm:7m(23ft) 6mm:8.5m(27.9ft)
Identify	250ppm (76px/ft)	2.8mm:2.4m(7.9ft) 3.6mm:3.5m(11.5ft) 6mm:4.3m(14.1ft)

Pan / Tilt / Rotation

Pan/Tilt/Rotation	Pan: 0° ~ 60° Tilt: 0° ~ 80° Rotation: 0° ~ 360°
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Video

Resolution	PAL:960*576;NTSC:960*480
Frame Rate	PAL:50fps;NTSC:60fps
Video Output	1-channel BNC Analog video output (Aviation connector)
Day/Night	Auto (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D
White Balance	Auto / Manual
Smart IR	Auto / Manual

Certifications

Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1) EN50155 (EN50121-3-2, IEC61373)
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Interface

Audio Interface	Built-in Mic
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Electrical

Power Supply	12V DC ±25%
Power Consumption	Max 2.11W

Environmental

Operating Conditions	-40°C ~ +70°C (-40°F ~ +158°F) / Less than 95% RH * Start up should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +70°C (-40°F ~ +158°F) / Less than 95% RH
Ingress Protection & Vandal Resistance	IP67, IK10

Construction

Casing	Aluminium
Dimensions	106mm×50.3mm (4.17"×1.98")
Net Weight	0.327kg (0.72lb)
Gross Weight	0.44kg (0.98lb)

Ordering Information

Type	Part Number	Description
720 TVL analog Camera	DH-CA-MW183HP-IR1-0280 (2.8mm)	720 TVL Mobile Analog IR Dome Camera, PAL
	DH-CA-MW183HP-IR1-0360B (3.6mm)	
	DH-CA-MW183HP-IR1-0600B (6mm)	
	DH-CA-MW183HN-IR1-0280B (2.8mm)	720 TVL Mobile Analog IR Dome Camera, NTSC
	DH-CA-MW183HN-IR1-0360B (3.6mm)	
	DH-CA-MW183HN-IR1-0600B (6mm)	

Dimensions (mm/inch)

