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WE PROTECT

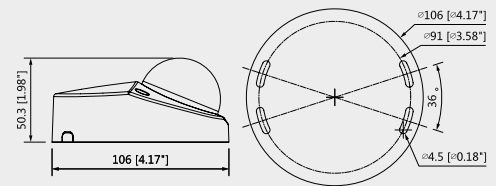## MC-2WD-F28-SA

2MP Mobile HD-Coax IR Dome Camera

System Overview

Experience full HD 1080P mobile video surveillance solution with the simplicity of analog infrastructure. 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. Plus, taking advantage of the HD-Coax system, the real-time capability is well guaranteed.

Features

- Starlight, 120dB true WDR, 3DNR
- Max 30fps@1080P
- HDCVI output (Aviation connector)
- 2.8mm fixed lens
- Max. IR length 20m, Smart IR
- IP67, IK10, DC12V, Shock-proof

Dimensions(mm/inch)

EN50155 | 1080p FULL HD | 20m IR | DC 12V | IP67 | Vandal-proof | Temperature

Functions

Elaborate Design

For better adapting the applications for vehicles, the mobile camera is designed with compact case, which minimizes the inter-ference 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

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

4 Signals over 1 Coaxial Cable

HD-COAX Mobile Camera supports 4 signals to be transmitted over 1 cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HD-COAX camera to interact with the HCVR, such as sending control signal or triggering alarm.

* Audio input is available for some models of HD-COAX cameras.

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. The 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, making it suitable for indoor or outdoor environments. The camera complies with IK10 impact resistant rating to provide maximum durability against vandals, making it capable of withstanding the equivalent of 55kg (120lbs) of force. Supporting ±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.

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Technical Specification

Camera

Image Sensor	1/2.7" CMOS
Effective Pixels	1920(H)×1080(V), 2MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.02Lux/F2.0 , 30IRE, 0Lux IR on
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	3.6mm (2.8mm Optional)
Max Aperture	F2.1
Angle of View	H: 89.9° (115.6°)
Focus Control	N/A
Close Focus Distance	900mm (600mm) 35.40'' (23.6'')

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:42.3m(138.8ft) 3.6mm:53.3m(174.9ft)
Observe	63px/m (19px/ft)	2.8mm:16.9m(55.4ft) 3.6mm:21.3m(69.9ft)
Recognize	125px/m (38px/ft)	2.8mm:8.5m(27.9ft) 3.6mm:10.7m(35.1ft)
Identify	250ppm (76px/ft)	2.8mm:4.2m(13.8ft) 3.6mm:5.3m(17.4ft)

Pan / Tilt / Rotation

Pan/Tilt/Rotation	Pan:-30° ~ 30° Tilt: 0° ~ 80° Rotation: 0° ~ 360°

Video

Resolution	1080P (1920×1080)
Frame Rate	PAL:1920×1080@25fps;NTSC:1920×1080@30fps
Video Output	1-channel BNC HDCVI high definition 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)

Interface

Audio Interface	Built-in Mic

Aviation Connector Interface

1 Red	Power
2 White	Video ground
3 Black	Power ground
4 Yellow	Video

Eelectrical

Power Supply	12V DC ±25%
Power Consumption	Max 2.44W (12V DC, IR on)

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 (0.68lb)
Gross Weight	0.44kg (0.93lb)

Aviation Connector

1 (Red) Power — 4 (Yellow) Video
2 (White) Video Ground — 3 (Black) Power Ground

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