

MC-1WM-F28-SA



1MP Forward HD-Coax Mobile IR Camera



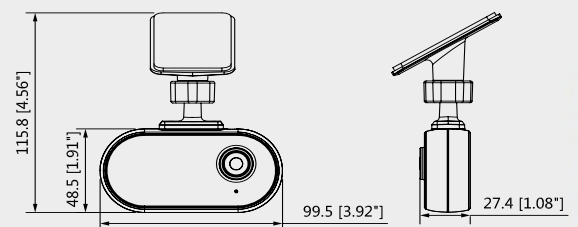
System Overview

Experience full HD 1080P/ HD 720P 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

- Max 30fps@720P
- HD and SD output switchable
- Built-in Mic
- 2.8mm fixed lens
- DC12V

Dimensions(mm/inch)



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

HD-COAX technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. The plug and play approach enables full HD video surveillance without the hassle of configuring a network. HD-COAX system can seamlessly upgrade the traditional analog system without replacing existing cabling.

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.

Audio

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

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 +80 °C (-40 °F to +176 °F), the camera is designed for extreme temperature environments. 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 | 1280(H)×720(V), 1.3MP |
| Scanning System | Progressive |
| Electronic Shutter Speed | PAL: 1/25~1/100000s NTSC: 1/30~1/100000s |
| Minimum Illumination | 0.02Lux/F2.0, 0.002Lux/F2.0(B/W) |
| S/N Ratio | More than 65dB |
| IR Distance | N/A |
| IR On/Off Control | N/A |
| IR LEDs | N/A |

Lens

| | |
|---------------|-------------------------|
| Lens Type | Fixed lens / Fixed iris |
| Mount Type | Board-in |
| Focal Length | 2.8mm |
| Max Aperture | F2.0 |
| Angle of View | H: 116° |
| Focus Control | N/A |

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) | 37.3m(122.4ft) |
| Observe | 63px/m (19px/ft) | 14.9m(48.9ft) |
| Recognize | 125px/m (38px/ft) | 7.5m(24.6ft) |
| Identify | 250ppm (76px/ft) | 3.7m(12.1ft) |

Pan / Tilt / Rotation

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

Video

| | |
|--------------|--|
| Resolution | 720P (1280×720) |
| Frame Rate | PAL:1280×720@50fps, 1280×720@25fps; NTSC:1280×720@60fps, 1280×720@30fps |
| Video Output | 1-channel HDCVI high definition video output (Aviation connector) |
| Day/Night | Color |
| OSD Menu | Multi-language |

| | |
|-----------------|------------------|
| BLC Mode | BLC / HLC / DWDR |
| WDR | DWDR |
| Gain Control | AGC |
| Noise Reduction | 2D |
| White Balance | 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 | 1-channel Built-in Mic |
| Aviation Connector Interface | |
| 1 Red | Power |
| 2 White | Video ground |
| 3 Black | Power ground |
| 4 Yellow | Video |

Electrical

| | |
|-------------------|-------------|
| Power Supply | 12V DC ±25% |
| Power Consumption | Max 0.9W |

Environmental

| | |
|--|---|
| Operating Conditions | -40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH * Start up should be done at above -40°C (-40°F) |
| Storage Conditions | -40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH |
| Ingress Protection & Vandal Resistance | N/A |

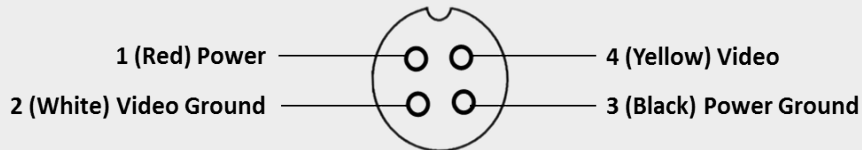
Construction

| | |
|------------|---------------------------------------|
| Casing | Plastic |
| Dimensions | 115.8×99.5×27.4mm (4.56"×3.92"×1.08") |
| Weight | 0.085kg (0.187lb) |

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Aviation Connector



Installation

