



S Series

MD8564-DEH-V2 (6 mm)

5MP Mobile Dome Network
Camera



Technical Specifications

| System Information | |
|--------------------|-------------------------------------|
| CPU | computer vision SOC(System-on-Chip) |
| Flash | 8GB |
| RAM | 2GB |

| Camera Specifications | |
|-------------------------|--|
| Image Sensor | 1/2.8" Progressive CMOS |
| Max. Resolution | 2560X1920 |
| Lens Type | Fixed-focal |
| Focal Length | f = 6 mm |
| Aperture | F2.0 |
| Iris Type | Fixed-iris |
| Field of View | 50° (Horizontal) 37° (Vertical) 63° (Diagonal) |
| Shutter Time | 1/5 sec. to 1/32,000 sec. |
| WDR Technology | WDR Pro |
| Day/Night | Yes |
| Removable IR-cut filter | Yes |
| Illuminators | Built-in IR illuminators, effective up to 50 meters with Smart IR, IR LED*4 |
| Minimum Illumination | 0.1 Lux @ F2.0 (Color) 0.01 Lux @ F2.0 (B/W) 0 Lux with IR illumination on |
| Pan Range | max: ± 0°~25° |

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| Tilt Range | max: 0°~+40° |
| Rotation Range | ±170°(Tool-free) |
| Pan/Tilt/Zoom Functionalities | ePTZ: 48x digital zoom (4x on IE/Edge/Chrome plug-in,12x built in) |
| Storage | Micro SD/SDHC/SDXC card slot Seamless Recording |

| Video | |
|--------------------|---|
| Compression | H.265, H.264, MJPEG |
| Maximum Frame Rate | 30 fps@2560X1920; 60 fps@1920x1080 |
| Maximum Streams | 3 simultaneous streams (up to 8 configurable profiles) |
| S/N Ratio | 65 dB |
| Dynamic Range | 120 dB |
| Video Streaming | Adjustable resolution; Smart Stream III |
| Image Settings | <p>video title and time stamp overlay video orientation (flip, mirror, rotation), day/night settings illuminators, anti-overexposure Image settings size, quality and bit rate, white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM, EIS, scene mode (SignalLight,RailTrack)</p> <p>Exposure BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR</p> <p>Privacy mask Scheduled profile settings</p> |

| Network | |
|-----------|---|
| Users | Live viewing for up to 10 clients |
| Security | Access list, Account block , Audit log, Configurable password strength protection, CSRF protection, Digest authentication, HTTPS , IEEE 802.1x, Secure boot, Session timeout, Signed firmware, Trend Micro IoT Security (Brute force attack event, Cyberattack event, Quarantine event), User access log, User account management |
| Protocols | 802.1X, ARP, Bonjour, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP/SFTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP |
| Interface | 10Base-T/100 BaseTX Ethernet (M12, Female, 4pin D-coded) |
| ONVIF | Profile G, S, T supported, specification available at www.onvif.org |

| AI Analytics | |
|--------------------|--|
| Compute Capability | SoC with built-in hardware deep learning accelerator |

| Solution Integration | |
|------------------------|---|
| VADP Package | Trend Micro (3-year free trial), Onboard AI(Smart Motion Detection) |
| Video Motion Detection | Five-window video motion detection, people detection, time filter |

| Alarm and Event | |
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| Event Trigger | Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, SD card life expectancy, shock detection, system boot Cybersecurity events (brute force attack event, cyberattack event, quarantine event) with activated Trend Micro package. |
| Event Action | Event notification via camera link, email, HTTP, FTP/SFTP, NAS server, SD card, push notification File upload via email, HTTP, FTP/SFTP, NAS server, SD card |

| General | |
|-----------------------|---|
| Connectors | <p>Dual HL3 cables with distributed cables & connectors below:</p> <ul style="list-style-type: none"> -M12 4pin D-coded, Female connector for Network x1 -M12 5pin A-coded, Red male connector for 24V DC-in x1 -M12 5pin A-coded, male connector for 24V DC heater x1 <p>Eearth/grounding point: M6 x1 + M8 x1 Venting valve with water-proof breathable membrane x1</p> |
| LED Indicator | System power and status indicator |
| Power Input | <p>Camera: IEEE 802.3af PoE, B type, Class 0(37V~57V) or DC 24V*</p> <p>Heater: DC 24V*</p> <p>*Comply with EN50155 #5.2 Table 4: Supply voltage limits and performance criteria</p> |
| Power Consumption | <p>Camera(DC) + IR: Max. 11.52 W/ 6.22W (IR ON/OFF)</p> <p>or Camera(PoE) + IR: Max. 12.54W/ 7.24W (IR ON/OFF)</p> <p>Heater: 48W(24V, 2A)</p> |
| Dimensions | 241 x 162 x 83 mm |
| Weight | approx.1510g |
| Casing | IP68, IP6K9K, NEMA 4X, IK10+ casing with AR-coated Heat-Strengthened glass |
| Certifications | <p>EMC CE (EN 55035, EN 55032 Class A), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A)</p> <p>Safety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471)</p> <p>Environment IK10+, Casing with color RAL9011, IP68/6K9K, NEMA 4X, 5mm Heat-Strengthened glass with Anti-Reflection coating</p> <p>Railway EN 50155: 2021 (OT4/ST1, nominal 24V DC), EN 50121-3-2:2016, EN 50121-4, EN 60068-2-1:2007, EN 60068-2-2:2007, EN 61373:2010, EN 45545-2, IEC 60571 Ed 3.0, IEC 62236-3-2 Ed 3.0</p> <p>Automotive/Vehicles ECE R118</p> <p>BI BSMI</p> |
| Operating Temperature | <p>Starting Temperature: -40°C ~ 70°C (14°F ~ 158°F)</p> <p>Working Temperature (IR off): -40°C ~ 70°C (14°F ~ 158°F) (IR off) -40°C ~ 65°C (14°F ~ 149°F) (IR on)</p> |
| Humidity | 98% RH (non-condensing) |
| Storage Temperature | -40°C ~ 70°C (14°F ~ 158°F) |

| System Requirements | |
|---------------------|--|
| Operating System | Microsoft Windows 11/10/7 Mac 10.4 (Chrome only) |
| Web Browser | Chrome 110.0 or above Internet Explorer 10/11; Microsoft Edge |

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| Other Players | VLC: 3.0 or above |
| Included Accessories | |
| Packing Contents | Quick installation guide, screwdriver, alignment sticker, screw pack |