



S Series

MD9582-H (2.8 mm)

5MP Mobile Dome Network
Camera



Technical Specifications

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	1 GB
RAM	2 GB

Camera Specifications

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F1.8
Iris Type	Fixed Iris
Field of View	102.0° (Horizontal) 76.0° (Vertical) 129.0° (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 20 meters with Smart IR, IR LED x2;
Minimum Illumination	0.09 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on
Pan Range	±30°

Tilt Range	90°
Rotation Range	±180°
Pan/Tilt/Zoom Functionalities	48x digital zoom (4x on IE plug-in, 12x built in)
Storage	Seamless Recording to MicroSD/SDHC/SDXC card

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	55 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream III
Image Settings	BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Privacy mask; Scheduled profile settings

Audio	
Audio Capability	One-way Audio
Compression	G.711, G.726, MPEG-2 AAC-LC
Interface	Built-in microphone External microphone input
Effective Range	5 meters

Network	
Users	Live viewing for up to 10 clients
Security	Access list, Account block, Audit log, Session timeout, Configurable password strength protection, Digest authentication, CSRF protection, HTTPS, IEEE 802.1x, Secure boot, Signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack 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/100BASE-TX Ethernet (M12, Female, 4-pin D-coded)
ONVIF	Profile G, S, T, M supported

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

Solution Integration	
VADP Package	Trend Micro (3-year free trial), Deep Learning VCA (Smart Motion Detection, Smart VCA*), * Optional
Video Motion Detection	Five-window video motion detection people detection time filter

Alarm and Event	
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Event Trigger	Motion detection, Camera tampering detection, Audio detection, Digital input, Manual trigger, Periodical trigger, System boot, Recording notification, SD card life expectancy, Shock detection, Cybersecurity events (brute force attack event, cyberattack event)
Event Action	Event notification via email, HTTP, FTP/SFTP, NAS server, SD card, digital output, audio clip, camera link, push notification File upload via email, HTTP, FTP/SFTP, NAS server, SD card

General	
Connectors	M12 4-pin D-coded, Female connector for 10/100 Mbps Network/PoE connection Audio input *1 Digital input *1 (max. 30VDC, 1A) Digital output *1 (max. 12VDC, 50mA)
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 6W/4.5W (IR on/off)
Dimensions	98 (D) x 54 (W) x 110.8 (H) mm
Weight	approx. 400 g
Certifications	EMC CE (EN 55032, EN 55024 Class B, EN 50121-4, EN 50121-3-2), FCC (FCC Part 15 Subpart B Class B), RCM (AS/NZS CISPR 32 Class B), VCCI (VCCI-CISPR 32 Class B) Safety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471) Environment IK10 (IEC 62262), IP66/67 (IEC 60529), NEMA 4X Railway EN 50155: 2021 (OT4/ST1), EN 50121-3-2:2016, 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, EN 50121-4:2016 Vehicles ECE R118 BI BSMI
Operating Temperature	Starting Temperature: -40°C ~ 70°C (-40°F ~ 158°F) Working Temperature: -40°C ~ 70°C (-40°F ~ 158°F) (IR off) -40°C ~ 65°C (-40°F ~ 149°F) (IR on)
Humidity	98% RH (non-condensing)
Storage Temperature	-40°C ~ 70°C (14°F ~ 158°F)
Warranty	60 months

System Requirements	
Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above

Included Accessories	
Packing Contents	Quick installation guide, alignment sticker, screw driver, desiccant bag