



S Series

MD9581-H (3.6 mm)

5MP Mobile Dome Network
Camera



Technical Specifications

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	256MB
RAM	1GB

Camera Specifications

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560X1920
Lens Type	Fixed-focal
Focal Length	f = 3.6 mm
Aperture	F2.0
Iris Type	Fixed-iris
Field of View	83° (Horizontal) 61° (Vertical) 111° (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 25 meters with Smart IR, IR LED*2
Minimum Illumination	0.1 lux @ F2.0 (Color) 0.01 lux @ F2.0 (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	Micro SD/SDHC/SDXC card slot Seamless Recording

Video	
Compression	H.265, H264, MJPEG
Maximum Frame Rate	30 fps @ 2560X1920 60 fps @ 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	55dB
Dynamic Range	120dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream III
Image Settings	Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, 3DNR, video rotation, defog

Audio	
Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Built-in microphone External microphone Input
Effective Range	5 meters

Network	
Users	Live viewing for up to 10 clients
Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, 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

Solution Integration	
VADP Package	Trend Micro (3-year free trial)
Video Motion Detection	Five-window video motion detection

Alarm and Event	
Event Trigger	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, SD card life expectancy, Cybersecurity events (Brute force attack event, Cyberattack event, Quarantine event), Shock detection
Event Action	Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

General	
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Connectors	M12 for Network/PoE connection*1 Audio Input*1 Digital input*1(30V, 1A) Digital output*1(12V, 50mA)
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 6W(IR ON) Max. 3.3W(IR OFF)
Dimensions	98 x 54 x 110mm
Weight	400g
Casing	IP67, IP66, IK10, NEMA 4X
Certifications	<p>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)</p> <p>Safety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471)</p> <p>Environment IK10 (IEC 62262), IP66/67 (IEC 60529), NEMA (NEMA 250 Type 4X) Railway: EN 50155: 2017 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 EN50121-4:2016 Vehicles: ECE R118</p>
Operating Temperature	<p>Starting Temperature: -40°C ~ 55°C Working Temperature: -40°C ~ 60°C(IR OFF) -40°C ~ 55°C(IR ON) Maximum (intermittent): 70 °C (158 °F)</p>
Humidity	98% RH (non-condensing)

System Requirements

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

Included Accessories

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