VIVOTEK
A Delta Group Company

S Series

MD9560-H-V2 (2.4 mm)



2MP Mobile Dome Network Camera

Technical Specifications

System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	256 MB
RAM	512 MB

Camera Specifications	
Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	1920x1080
Lens Type	Fixed-focal
Focal Length	f = 2.4 mm
Aperture	F1.8
Iris Type	Fixed Iris
Field of View	135.0° (Horizontal) 76.0° (Vertical) 161.0° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Minimum Illumination	0.13 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
Built-in Installation Aids	Pixel calculator

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	60 fps @ 1920x1080
Maximum Streams	4 simultaneous streams
Main Stream	60 fps @ 1920x1080, 1600x904, 1360x768, 1280x720, 640x360, 480x272
2nd Stream	60 fps @ 1920x1080, 1600x904, 1360x768, 1280x720, 640x360, 480x272
3rd Stream	60 fps @ 1920x1080, 1600x904, 1360x768, 1280x720, 640x360, 480x272
S/N Ratio	60 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream III
Image Settings	General settings video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings Illuminators illuminators, anti-overexposure Image settings white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, scene mode (auto, deblur) Exposure BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR Focus zoom, focus Privacy mask Pixel calculator 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, Password protection, Digest authentication, CSRF protection, HTTPS, IEEE 802.1x, Secure boot, Signed firmware, HTTPS/TLS encryption, TLS, Video encryption, Trend Micro IoT Security (brute force attack event, cyberattack event), DoS Protection, Certificate management, Built-in FIPS 140-2 Level 2 certified Trusted Platform Module (TPM), User access log, User account management
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/100BASE-TX Ethernet (M12, Female, 4-pin D-coded)
ONVIF	Profile G, S, T, M supported

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, Camera tampering detection, Audio detection, Digital input, Manual trigger, Periodical trigger, System boot, Recording notification, SD card life expectancy, Cybersecurity events (brute force attack event, cyberattack event)
Event Action	Event notification via email, HTTP, FTP, NAS server, SD card, digital output File upload via email, HTTP, FTP, NAS server, SD card

General

Connectors	M12 for Network/PoE connection *1 Audio input *1 Digital input *1 (30V) 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. 3.96W (IR off)
Dimensions	98 (D) x 54 (W) x 110 (H) mm
Weight	approx. 384 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, IP66/67, NEMA 4X Railway EN 50155: 2021 (OT1, 24V DC), 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, R10
Operating Temperature	Starting Temperature: -25°C ~ 55°C (-13°F ~ 131°F) Working Temperature: -25°C ~ 60°C (-13°F ~ 140°F) (IR off) -25°C ~ 55°C (-13°F ~ 131°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
Other Players	VLC: 1.1.11 or above

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

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