VIVOTEK
A Delta Group Company

S Series

MD9560-H (2.8 mm)

2MP Mobile Dome Network Camera

Technical Specifications

System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB

Camera Specifications	
Image Sensor	1/2.9" Progressive CMOS
Max. Resolution	1920x1080
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F1.8
Iris Type	Fixed-iris
Field of View	108° (Horizontal) 60° (Vertical) 124° (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*2
Minimum Illumination	0.13 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on
Pan Range	±30°

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

Video

Compression	H.265, H264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	60 dB
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, 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, digest authentication, HTTPS , IEEE 802.1x, Password protection,Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), 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/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)
Event Action	Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

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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. 5.5W(IR ON) Max. 3.3W(IR OFF)
Dimensions	98 x 54 x 110mm
Weight	approx. 400 g
Casing	IP67, IP66, IK10, NEMA 4X
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), 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
Operating Temperature	Starting Temperature: -25°C ~ 55°C Working Temperature: -25°C ~ 60°C(IR OFF) -25°C ~ 55°C(IR ON) Maximum (intermittent): 70 °C (158 °F)
Humidity	98% RH (non-condensing)
Storage Temperature	-40°C ~ 70°C (14°F ~ 158°F)

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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