VIVOTEK
A Delta Group Company

S SERIES

MD9560-H

Mobile Dome Network Camera

H.265 • 2MP • WDR Pro • 20M IR • Smart Stream III • IP67 • IK10 • EN50155 • PoE

- H.265 Compression Technology
- 30 fps @ 1920x1080
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Fast AE for Quick Adaptation to Light Changes
- Smart Stream III to Optimize Bandwidth Efficiency
- Weather-proof IP66 and IP67, Vandal-proof IK10 Housing
- Built-in IR Illuminators, effective up to 20 Meters
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- EN50155 2017 OT1 Compliance for Professional Mobile Surveillance
- Video Rotation for Corridor Scenario



NDAA Compliance | TREND MICRO | Stratocast™

Technical Specifications

System Information

Model	MD9560-H(2.8mm) MD9560-H(3.6mm)
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB

Camera Features

Image Sensor	1/2.9" Progressive CMOS
Max. Resolution	1920x1080 (2MP)
Lens Type	Fixed-focal
Focal Length	MD9560-H(2.8mm): f = 2.8 mm MD9560-H(3.6mm): f = 3.6 mm
Aperture	MD9560-H(2.8mm): F1.8 MD9560-H(3.6mm): F2.0
Iris Type	Fixed-iris
Field of View	MD9560-H(2.8mm): 108° (Horizontal) 60° (Vertical) 124° (Diagonal) MD9560-H(3.6mm): 89° (Horizontal) 47° (Vertical) 105° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
IR Illuminators	Built-in IR illuminators, effective up to 20 meters with Smart IR, IR LED*2
Minimum Illumination	MD9560-H(2.8mm): 0.13 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on MD9560-H(3.6mm): 0.16 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	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

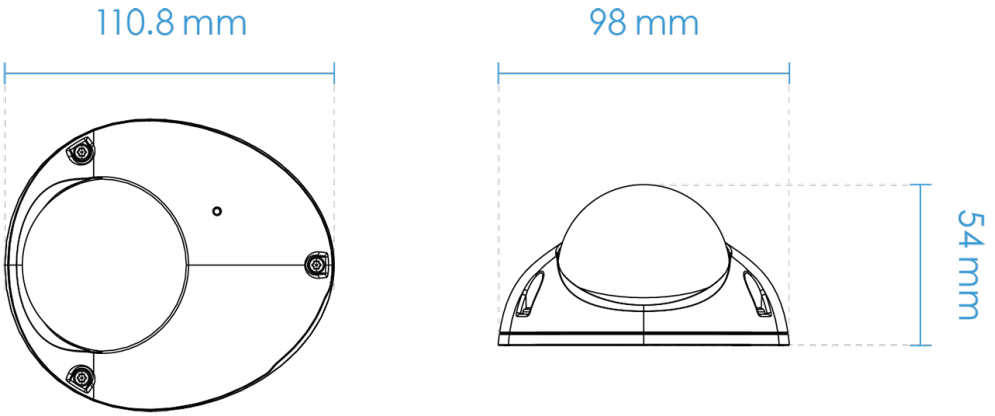
Video Compression	H.265, H264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	MD9560-H(2.8mm): 60 dB MD9560-H(3.6mm): 52 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream III
Image Settings	Adjustable image size, 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
Audio Compression	G.711, G.726

Audio Interface	Built-in microphone External line 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	Supported, specification available at www.onvif.org
Solution Integration	
Video Motion Detection	Five-window video motion detection
VADP Package	Trend Micro IoT Security, Stratocast, VIVOCloud
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
General	
Connectors	M12 for Network/PoE connection*1 Audio line input 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. 5.5 W (IR on) Max. 3.3 W (IR off)
Dimensions	98 x 54 x 110.8 mm
Weight	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 (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
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) Maximum (intermittent): 70 °C (158 °F)
Humidity	98%
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 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, screwdriver, alignment sticker, desiccant bag

Dimensions



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6F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, 235, Taiwan, R.O.C. | T: +886-2-82455282 | F: +886-2-82455532 | E: sales@vivotek.com | W: www.vivotek.com