

MD9582-H

Mobile Dome Network Camera

H.265 • 5MP • WDR Pro • 20M IR • Smart Stream III • IP67 • IK10 • EN50155

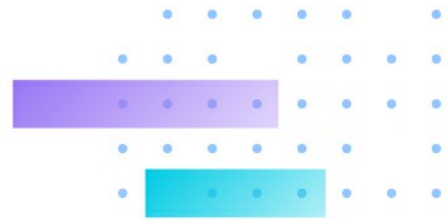
Technical Specifications

System Information

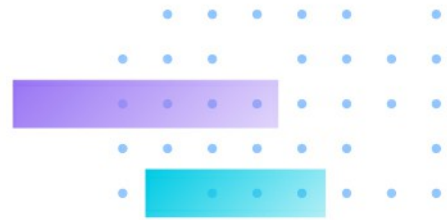
Model	MD9582-H(2.8mm) MD9582-H(3.6mm) MD9582-H(6mm)* MD9582-H(DMS)* *Optional
CPU	Multimedia SoC (System-on-Chip)
Flash	1 GB
RAM	2 GB

Camera Features

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Fixed-focal
Focal Length	MD9582-H(2.8mm) & MD9582-H(DMS)*: f = 2.8 mm MD9582-H(3.6mm): f = 3.6 mm MD9582-H(6mm)*: f = 6mm *Optional
Aperture	MD9582-H(2.8mm) & MD9582-H(DMS)*: F1.8 MD9582-H(3.6mm): F2.0 MD9582-H(6mm): F2.0* *Optional
Iris Type	Fixed Iris
Field of View	MD9582-H(2.8mm) & MD9582-H(DMS)*: 102° (H)/ 76o(V)/ 129o(D) MD9582-H(3.6mm): 83° (H)/ 61o(V)/ 111(D) MD9582-H(6mm)*: 50° (H)/37° (V)/63° (D) *Optional
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes; MD9582-H(DMS)*=night mode only. *Optional
Removable IR-cut Filter	Yes



IR Illuminators	Built-in IR illuminators, effective up to 20 meters with Smart IR, IR LED x2; *Optional MD9582-H(DMS): Built-in invisible 940nm IR illuminators, effective up to 2 meters, IR LED x2
Minimum Illumination	MD9582-H(2.8mm): 0.0.9 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on MD9582-H(3.6mm): 0.1 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on MD9582-H(6mm)*: 0.1 Lux @ F2.0 (Color) 0.01 Lux @ F2.0 (B/W) 0 Lux with IR illumination on MD9582-H(DMS)*: 0 Lux with IR illumination on *Optional
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	Seamless Recording to MicroSD/SDHC/SDXC card slot and recording to network-attached storage (NAS)
Video	
Video Compression	H.265, H264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080
Maximum Streams	3 simultaneous streams (Up to 8 configurable profiles)
S/N Ratio	MD9582-H(2.8mm) & MD9582-H(DMS)*: 55dB MD9582-H(3.6mm): 55dB MD9582-H(6mm)*: 55dB *Optional
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bit rate, 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, HLM, EIS, scene mode (Signal Light,Rail Track); Exposure: 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
Audio Compression	G.711, G.726, MPEG-2 AAC-LC
Audio Interface	Built-in microphone External line input
Effective Range	5 meters
Network	
Users	Live viewing for up to 10 clients
Security	Access list, Account block , Audit log, Configurable password strength protection, CSRF protection, Digest authentication, HTTPS , IEEE 802.1x, Secure boot, Session timeout, Signed firmware, Trend Micro IoT Security (Brute force attack event, Cyberattack event, Quarantine 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, NTCIP, 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	
Smart Motion Detection	Five-window video motion detection, people detection, time filter
Smart VCA	*Optional, please contact transportation@vivotek.com for further support.
VADP Package	Trend Micro (3-year free trial), Deep Learning VCA (Smart Motion Detection, Smart VCA*), DMS(Driver Management System for MD9582-H(DMS)*. * Optional



Alarm and Event

Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot, DMS events(attention tracking, fatigue/drowsiness detection, phone use detection, smoking detection, empty driver chair detection, driver change detection) for MD9582-H(DMS)*
Event Action	Event notification via audio clip, camera link, digital output, email, HTTP, FTP/SFTP, NAS server, SD card, push notification and ONVIF events (DMS_driver_change, DMS_no_driver, DMS_object_near_mouth, DMS_object_near_near, DMS_distraction, DMS_drowsiness) for MD9582-H(DMS)* File upload via email, HTTP, FTP/SFTP, NAS server, SD card

General

Connectors	M12 4pin D-coded, Female connector for 10/100Mbps Network/PoE connection Audio input *1 Digital input *1(max. 30VDC, 1A) Digital output *(max. 12VDC, 50mA)
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 6 W/4.5 W (IR on/off)
Dimensions	98 x 54 x 110.8 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 (NEMA 250 Type 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, EN50121-4:2016; Vehicles: ECE R118; BI: BSMI (EMC: CNS 13438, Safety: CNS 14336-1)
Operating Temperature	Starting Temperature: -40°C ~ 70°C (-40°F ~ 158°F) Working Temperature (IR off): -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 (-40°F ~ 158°F)

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, screwdriver, accessories bag
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