



# MD9582-H

Mobile Dome Network Camera

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

- 30 fps @ 2560x1920
- H.265 Compression Technology
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- 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
- EN50155 2017 OT4 Compliance for Professional Mobile Surveillance
- Trend Micro IoT Security
- Built-in Microphone
- Scene Mode Functionality for Signal Light and Railway Track Scenarios



# Technical Specifications

## System Information

Model	MD9582-H(2.8mm) MD9582-H(3.6mm) MD9582-H(6mm)* *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): f = 2.8 mm MD9582-H(3.6mm): f = 3.6 mm MD9582-H(6mm)*: f = 6 mm *Optional
Aperture	MD9582-H(2.8mm): F1.8 MD9582-H(3.6mm): F2.0 MD9582-H(6mm)*: F2.0 *Optional
Auto-iris	Fixed Iris
Field of View	MD9582-H(2.8mm): 102° (Horizontal) 76° (Vertical) 129° (Diagonal) MD9582-H(3.6mm): 83° (Horizontal) 61° (Vertical) 111° (Diagonal) MD9582-H(6mm)*: 50° (Horizontal) 37° (Vertical) 63° (Diagonal) *Optional
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 II, IR LED*2
Minimum Illumination	MD9582-H(2.8mm): 0.085 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 *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): 55 dB MD9582-H(3.6mm): 55 dB MD9582-H(6mm)*: 55 dB *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 (SignalLight,RailTrack); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Privacy mask; Scheduled profile settings
<b>Audio</b>	
Audio Capability	One-way audio
Audio Compression	G.711, G.726
Audio Interface	Built-in microphone External line input
Effective Range	5 meters
<b>Network</b>	
Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS, IEEE 802.1x, Password protection, secure boot, 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 <a href="http://www.onvif.org">www.onvif.org</a>
<b>Solution Integration</b>	
Smart Motion Detection	Five-window video motion detection, people detection, time filter
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection *Optional, please contact <a href="mailto:transportation@vivotek.com">transportation@vivotek.com</a> for further support.
VADP Package	Trend Micro (3-year free trial), Deep Learning VCA (Smart Motion Detection, Smart VCA*) *Optional
<b>Alarm and Event</b>	
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
Event Action	Event notification via audio clip, camera link, digital output, email, HTTP, FTP/SFTP, NAS server, SD card, push notification File upload via email, HTTP, FTP/SFTP, NAS server, SD card
<b>General</b>	
Connectors	M12 4pin D-coded, Female connector for 10/100Mbps Network/PoE connection Audio line input Digital input *1 Digital output *1
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	400 g
Certifications	EMC: CE (EN 55032, EN 55035 Class B), FCC (FCC Part 15 Subpart B Class B), ICES-003 Issue 07, 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 (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)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)

Humidity	98% RH (non-condensing)
Warranty	36 months

### **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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## Dimensions

