

MD9584-H

Mobile Dome Network Camera

H.265 • 5MP 30fps • WDR Pro • 50M IR • IP6K9K • IK10+ • EN50155 • -40°C ~ 70°C

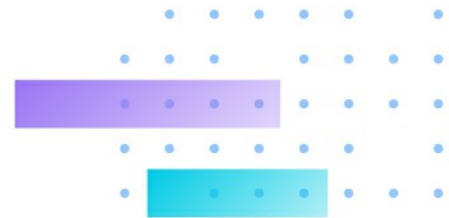
Technical Specifications

System Information

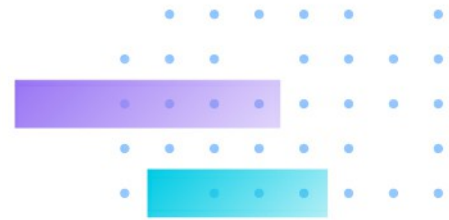
Model	MD9584-H(3.6mm) MD9584-H(6mm)
CPU	Multimedia SoC (System-on-Chip)
Flash	8 GB
RAM	2 GB

Camera Features

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Fixed-focal
Focal Length	MD9584-H(3.6mm): f = 3.6 mm MD9584-H(6mm): f = 6 mm
Aperture	MD9584-H(3.6mm): F2.0 MD9584-H(6mm): F2.0
Iris Type	Fixed Iris
Field of View	MD9584-H(3.6mm): 83° (Horizontal) 61° (Vertical) 111° (Diagonal) MD9584-H(6mm): 50° (Horizontal) 37° (Vertical) 63° (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 50 meters with Smart IR II, IR LED*4



Minimum Illumination	MD9584-H(3.6mm): 0.1 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on MD9584-H(6mm): 0.1 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on
Tilt Range	+30°
Rotation Range	± 90°
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	MD9584-H(3.6mm): 55 dB MD9584-H(6mm): 80 dB
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
Audio	
Audio Capability	Two-way audio (Full duplex)*
Audio Compression	G.711, G.726, MPEG-2 AAC-LC
Audio Interface	External microphone input* External line output* * Requires optional cable
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*) * 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
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
General	



Connectors	M12 4pin D-coded, Female connector for 10/100Mbps Network/PoE connection M12 5pin A-coded, Male connector for DC 24V heater Digital input *1(max. 30VDC, 1A)* Digital output *1(max. 12VDC, 50mA)* * Requires optional cable
LED Indicator	System power and status indicator
Power Input	Camera: IEEE 802.3af PoE Class 0 Heater: DC 24V
Power Consumption	Camera: Max. 10.26 W/ 6.08 W (IR on/off) Heater: 24 W
Dimensions	122 x 180 x 59 mm
Weight	approx. 812g
Casing	IP68, IP6K9K, NEMA 4X, IK10+ casing with AR-coated glass
Certifications	EMC: CE (EN 55035, EN 55032 Class A), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A); Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471); Environment: IK10+ (IEC 62262), IP68/6K9K (IEC 60529), NEMA (NEMA 250 Type 4X); Railway: EN 50155: 2021 (OT4/ST1) , EN 50121-3-2:2016, EN 50121-4:2016, 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) 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: -40°C ~ 60°C (-40°F ~ 140°F) (IR on) -40°C ~ 70°C (-40°F ~ 158°F) (IR off)
Humidity	98% RH (non-condensing)
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