VIVOTEK
A Delta Group Company

S Series

MD8564-EH-V2 (3.6 mm)

5MP Mobile Dome Network Camera

Technical Specifications

System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	8GB
RAM	2GB

Camera Specifications	
Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560X1920
Lens Type	Fixed-focal
Focal Length	f = 3.6 mm
Aperture	F2.0
Iris Type	Fixed-iris
Field of View	83° (Horizontal) 61° (Vertical) 111° (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 50 meters with Smart IR, IR LED*4
Minimum Illumination	0.1 Lux @ F2.0 (Color) 0.01 Lux @ F2.0 (B/W) 0 Lux with IR illumination on
Pan Range	max: ± 0°~25°

Tilt Range	max: 0°~+40°
Rotation Range	±170°(Tool-free)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE/Edge/Chrome plug-in,12x built in)
Storage	Micro SD/SDHC/SDXC card slot Seamless Recording

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	60dB
Dynamic Range	120dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream III
Image Settings	video title and time stamp overlay video orientation (flip, mirror, rotation), day/night settings illuminators, anti-overexposure Image settings size, quality and bit rate, 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

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, 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

AI Analytics

Compute Capability	SoC with built-in hardware deep learning accelerator

Solution Integration

VADP Package	Trend Micro (3-year free trial), Onboard AI(Smart Motion Detection)
Video Motion Detection	Five-window video motion detection, people detection, time filter

Alarm and Event

Event Trigger	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, SD card life expectancy, shock detection, system boot Cybersecurity events (brute force attack event, cyberattack event, quarantine event) with activated Trend Micro package.
Event Action	Event notification via camera link, email, HTTP, FTP/SFTP, NAS server, SD card, push notification File upload via email, HTTP, FTP/SFTP, NAS server, SD card

General

Connectors	Single HL3 cable with distributed connectors: -M12 4pin D-coded, Female connector for Network/PoE x1 -M12 5pin A-coded, male connector for DC 24V heater x1 Eearth/grounding point: M6 x1 + M8 x1 Venting valve with water-proof breathable membrane x1
LED Indicator	System power and status indicator
Power Input	Camera: IEEE 802.3af PoE, B type, Class 0(37V~57V) Heater: DC 24V* *Comply with EN50155 #5.2 Table 4: Supply voltage limits and performance criteria
Power Consumption	Camera + IR: Max. 12.54W/ 7.24W (IR ON/OFF) Heater: 48W(24V, 2A)
Dimensions	241 x 162 x 83 mm
Weight	approx.1490g
Casing	IP68, IP6K9K, NEMA 4X, IK10+ casing with AR-coated Heat-Strengthened 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+, Casing with color RAL9011, IP68/6K9K, NEMA 4X, 5mm Heat-Strengthened glass with Anti-Reflection coating Railway EN 50155: 2021 (OT4/ST1, norminal 24V DC), EN 50121-3-2:2016, EN 50121-4, 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 Automotive/Vehicles ECE R118 BI BSMI
Operating Temperature	Starting Temperature: -40°C ~ 70°C (14°F ~ 158°F) Working Temperature (IR off): -40°C ~ 70°C (14°F ~ 158°F) (IR off) -40°C ~ 65°C (14°F ~ 149°F) (IR on)
Humidity	98% RH (non-condensing)
Storage Temperature	-40°C ~ 70°C (14°F ~ 158°F)

System Requirements

Operating System	Microsoft Windows 11/10/7 Mac 10.4 (Chrome only)
Web Browser	Chrome 110.0 or above Internet Explorer 10/11; Microsoft Edge
Other Players	VLC: 3.0 or above

Included Accessories	
Packing Contents	Quick installation guide, screwdriver, alignment sticker, screw pack

VIVOTEK

Data subject to change without notice. All right reserved. | sales@vivotek.com | www.vivotek.com | Ver. 20250703