



## **S** **MD8564-EH** Mobile Dome Network Camera



1080P Full HD • 30M IR • WDR Pro • IP6K9K • IK10+ •  
EN50155 TX • -40°C ~ 70°C • De-icing

VIVOTEK's MD8564-EH is a 2-megapixel network camera geared toward transportation applications and focused on rolling stock deployments. Designed specifically for mounting on a vehicle's exterior, the MD8564-EH functions either as a side-view camera (also known as a back-mirror camera or DOO camera) or a pantograph monitoring camera if mounted on the roof of the vehicle. In both options, the camera provides the driver with clear view of critical areas for incident monitoring and operational awareness. Armed with built-in IR illuminators, the MD8564-EH is also able to provide superior image quality for up to 30 meters in total darkness.

With full EN50155 TX compliance the camera can withstand shock, vibrations, humidity, and electromagnetic interference, maintaining reliable video preview and recording during all kinds of vehicle movement. Furthermore, the rugged metal

housing provides effective and robust protection from harsh outdoor conditions; IK10+ rating guarantees high resistance to mechanical impact and IP6K9K rating ensures the camera is completely weather-proof. The MD8564-EH also features a wide operating temperature range -40°C ~ 70°C and a front glass heater for de-icing and de-frosting, making the camera suitable even for the harshest climates.

Finally, by deploying VIVOTEK's Smart Stream II technology, the MD8564-EH can reduce both bandwidth and storage consumption by up to 50%\* while maintaining high standards of image quality.

\* Depending on scene monitored

### Key Features

- 30 fps @ 1920x1080
- Built-in IR Illuminators, Effective up to 30 Meters
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Weather-proof IP6K9K/IP68-rated, Vandal-proof IK10+ and NEMA 4X-rated Housing
- -40°C ~ 70°C Wide Temperature Range for Extreme Weather Conditions
- Smart Stream II to Optimize Bandwidth Efficiency
- Fast AE for Quick Adaptation to Light Changes
- EN50155 TX Compliance for Professional Mobile Surveillance
- M12 Connector for PoE/Network
- De-icing Function with Internal Heating Glass



IR Off

IR On

## Technical Specifications

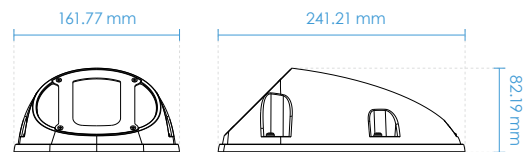
Model	MD8564-EH
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB
<b>Camera Features</b>	
Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	1920x1080
Lens Type	Fixed-focal
Focal Length	f = 6 mm (optional: 3.6 mm, 8 mm)
Aperture	F2.0
Iris type	Fixed-iris
Field of View	57° (Horizontal) 30° (Vertical) 65° (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 up to 30 meters, IR LED*4
Minimum Illumination	0.18 Lux @ F2.0 (Color) 0.01 Lux @ F2.0 (B/W) 0 Lux with IR illumination on
Tilt Range	0 ~ 30°
Rotation Range	±90°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
On-board Storage	MicroSD/SDHC/SDXC card slot Seamless Recording
<b>Video</b>	
Compression	H264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 45 fps @ 1280x720
Maximum Streams	4 simultaneous streams
S/N Ratio	60 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II
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
<b>Audio</b>	

Audio Capability	Two-way Audio
Compression	G.711, G.726
Interface	External Microphone in External line out
<b>Network</b>	
Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/ RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS, CIFS/SMB
Interface	10Base-T/100 BaseTX Ethernet (M12, 4pin D-coded, Female) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Intelligent Video</b>	
Video Motion Detection	Five-window video motion detection
<b>Alarm and Event</b>	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD Card
<b>General</b>	
Connectors	M12 4pin D-coded, Female connector for Network/PoE connection*1 M12 5pin A-coded, Male connector for DC 24V heater Audio input*1 Audio output*1 Digital input*1 Digital output*1
LED Indicator	System power and status indicator
Power Input	Camera: IEEE 802.3af PoE Class 0 Heater: DC 24V
Power Consumption	Camera: Max. 10W/5.7W (IR on/off) Heater: 50W
Dimensions	241.21 (D) x 161.77 (W) x 82.19 (H) mm
Weight	1,370 g
Casing	IP6K9K, IP68, IK10+, NEMA 4X
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, IP6K9K, IK10+, NEMA 4X, EN50155 TX, EN61373, EN50121-3-2, EN50121-4, UL
Operating Temperature	Starting Temperature: -40°C ~ 70°C (-40°F ~ 158°F) Working Temperature: -40°C ~ 70°C (-40°F ~ 158°F)
Humidity	90%
Warranty	36 months
<b>System Requirements</b>	

## Technical Specifications

Operating System	Microsoft Windows 8/7
Web Browser	Internet Explorer 10/11 Chrome version 58.0.3029 or above
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
<b>Included Accessories</b>	
CD	User's manual, quick installation guide, Shepherd, VAST
Others	Quick installation guide, warranty card, alignment sticker, screwdriver, accessories bag, software CD

### Dimensions



## Compatible Accessories

### PoE Kits



AW-IHT-0602

Industrial EN50155 4xFE M12 PoE + 2xFE M12 Switch