



# **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

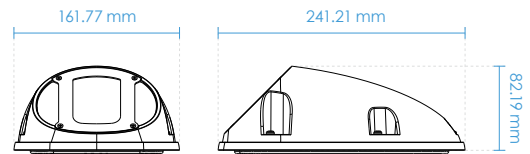
## Technical Specifications

Model	MD8564-EH	Audio Capability	Two-way Audio
<b>System Information</b>		Compression	G.711, G.726
CPU	Multimedia SoC (System-on-Chip)	Interface	External Microphone in External line out
Flash	128MB	<b>Network</b>	
RAM	256MB	Users	Live viewing for up to 10 clients
<b>Camera Features</b>		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
Image Sensor	1/2.7" Progressive CMOS	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.
Max. Resolution	1920x1080	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
Lens Type	Fixed-focal	<b>Intelligent Video</b>	
Focal Length	f = 6 mm (optional: 3.6 mm, 8 mm)	Video Motion Detection	Five-window video motion detection
Aperture	F2.0	<b>Alarm and Event</b>	
Iris type	Fixed-iris	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Field of View	57° (Horizontal) 30° (Vertical) 65° (Diagonal)	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
Shutter Time	1/5 sec. to 1/32,000 sec.	<b>General</b>	
WDR Technology	WDR Pro	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
Day/Night	Yes	LED Indicator	System power and status indicator
Removable IR-cut filter	Yes	Power Input	Camera: IEEE 802.3af PoE Class 0 Heater: DC 24V
IR Illuminators	Built-in IR Illuminators up to 30 meters, IR LED*4	Power Consumption	Camera: Max. 10W/5.7W (IR on/off) Heater: 50W
Minimum Illumination	0.18 Lux @ F2.0 (Color) 0.01 Lux @ F2.0 (B/W) 0 Lux with IR illumination on	Dimensions	241.21 (D) x 161.77 (W) x 82.19 (H) mm
Tilt Range	0 ~ 30°	Weight	1,370 g
Rotation Range	±90°	Casing	IP6K9K, IP68, IK10+, NEMA 4X
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, IP6K9K, IK10+, NEMA 4X, EN50155 TX, EN61373, EN50121-3-2, EN50121-4, UL
On-board Storage	MicroSD/SDHC/SDXC card slot Seamless Recording	Operating Temperature	Starting Temperature: -40°C ~ 70°C (-40°F ~ 158°F) Working Temperature: -40°C ~ 70°C (-40°F ~ 158°F)
<b>Video</b>		Humidity	90%
Compression	H264, MJPEG	Warranty	36 months
Maximum Frame Rate	30 fps @ 1920x1080 45 fps @ 1280x720	<b>System Requirements</b>	
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>			

## 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