

# Mobile Dome Network Camera MD8531H



1.2MP • WDR Pro • 3DNR • Video Rotation • IP66 • EN50155 Compliance

VIVOTEK MD8531H is a compact, 1.2-megapixel network camera geared toward transportation applications such as buses, trains, and other vehicles. With full EN50155 compliance & IP66-rated design, the camera can withstand shock, vibration, humidity, dust, and temperature fluctuations, maintaining stable and reliable video during vehicle movement. Furthermore, the vandal-proof metal housing effectively provides robust protection from vandalism. As such, the combination of high resolution imaging and protective housing endows the MD8531H with the rugged reliability required to maximize passenger safety and optimize mobile surveillance.

With the tamper detection feature, the MD8531H becomes a truly robust and intelligent camera that keeps security staff notified once it suffers video loss from being blocked or spray-painted. PoE (Power-over-Ethernet) also allows the camera to be operated and powered with a single Ethernet cable, giving greater ease of installation. In order to facilitate on-board storage and data portability, the camera is also complete with a MicroSD/SDHC/SDXC card slot for local recording. In corridor scenario, video rotation feature can provide wider vertical coverage for more depth.

Featuring the Wide Dynamic Range Technology WDR Pro, it provides improved visibility in the extremely dark & light environment. Combined with 3D Noise Reduction Technology, which enables the MD8531H to capture clear, polished video under low-light conditions and reduce bandwidth from sensor noise, users can identify an increased level of image details in pretty bright as well as dark environments.

# **Features**

- 1.2-Megapixel CMOS Sensor
- 30 fps @ 1280x960
- EN50155 Compliance for Professional Mobile Surveillance
- WDR Pro to Provide Improved Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Video Rotation for Corridor Scenario







#### **Technical Specifications** Model MD8531H System Information CPU Multimedia SoC (System-on-Chip) Flash 128 MB RAM 256 MB Camera Features Image Sensor 1/3" Progressive CMOS Maximum Resolution 1280x960 Lens Type Fixed-focal Focal Length f = 3.6mm (MD8531H-F3) f = 4.2mm (MD8531H-F4) Aperture Field of View MD8531H-F3: 80°(Horizontal) 57°(Vertical) 103°(Diagonal) MD8531H-F4: 68°(Horizontal) 50°(Vertical) 90°(Diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Minimum Illumination 0.4 Lux @ F1.8, 30 IRE(Color) Pan/tilt/zoom Functionalities ePTZ: 48x digital zoom (4x on IE plug-in,12x built in) On-board Storage MicroSD/SDHC/SDXC card slot Video H.264, MPEG-4 & MJPEG Maximum Frame Rate H.264: 30fps @ 1280x960, 30fps @ 960x1280 MPEG-4: 30fps @ 1280x960, 30fps @ 960x1280 MJPEG: 30 fps @ 1280x960, 30fps @ 960x1280 Maximum Streams 4 simultaneous streams S/N Ratio Above 60 dB Dynamic Range 120dB Video Streaming Adjustable resolution, quality and bitrate Video rotation 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, 3D Noise Reduction Audio Audio Capability Two-way audio (full duplex) G.711, G.726 Compression Built-in microphone Interface Audio output Effective Range 5 meters Network

Live viewing for up to 10 clients

QoS, SNMP, 802.1X, UDP, ICMP

10Base-T/100 BaseTX Ethernet (RJ-45) Supported, specification available at www.onvif.org

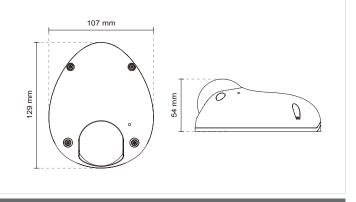
Triple-window video motion detection

IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP,

IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS,

Alarm and Event	
Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, temperature detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
General	
Connectors	RJ-45 for Network/PoE connection  Audio output  Digital output*1
	Digital input*1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 4.5W (PoE)
Dimensions	129 mm (D) x 107 mm (W) x 54 mm (H)
Weight	Net: 392g
Casing	Weather-proof IP66-rated housing
	Vandal-proof IK10-rated housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, EN50155
Operating Temperature	Starting Temperature: $-25^{\circ}\text{C} \sim 55^{\circ}\text{C} \ (-13^{\circ}\text{F} \sim 131^{\circ}\text{F})$
	Working Temperature: -25°C ~ 55°C (-13°F ~ 131°F)
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (streaming only)
	Internet Explorer 7/8/9/10
Other Players	VLC: 1.1.11 or above
	QuickTime: 7 or above
Included Accessories	
CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Others	Quick installation guide, screwdriver, alignment sticker, Softeware CD

## **Dimensions**



### **Compatible Accessories**

#### PoE Kits

Users

Protocols

Interface

Intelligent Video Video Motion Detection



POE-IJ-1748NDN

PoE injector, 802.3af compliant

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