VIVOTEK
BUILT WITH RELIABILITY

Mobile Dome Network Camera
MD8531H

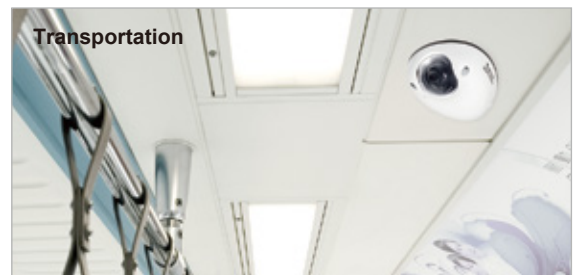## 1.2MP • WDR Pro • 3DNR • Video Rotation • IP66 • EN50155 Compliance

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

Transportation

Hotel

SUPREME

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	F1.8
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

Compression	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)
Compression	G.711, G.726
Interface	Built-in microphone
	Audio output
Effective Range	5 meters

Network

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

Intelligent Video

Video Motion Detection	Triple-window video motion detection

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˚C ~ 55˚C (-13˚F ~ 131˚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, Software CD

Dimensions

107 mm
129 mm
54 mm

Compatible Accessories

PoE Kits

POE-IJ-1748NDN
PoE injector, 802.3af compliant

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