



MD8565-N

Mobile Dome Network Camera



2MP · Invisible IR · Smart Stream II · IP66 · IK10 ·
NEMA 4X · EN50155 T1

VIVOTEK's MD8565-N is a compact 2-megapixel IR mobile dome network camera geared toward a wide range of transport applications such as buses, trains, and other vehicles. With full EN50155 T1 compliance, IP66-, IK10- and NEMA 4X-rated rugged design, the camera can withstand shocks, vibration, humidity, dust, and even temperature fluctuations to maintain stable and reliable video during vehicle movement. Armed with built-in 940nm invisible IR illumination, the MD8565-N is able to provide superior image quality for up to 10 meters in total darkness, while remaining unobtrusive to the driver. This combination of high-resolution imaging and protective-housing endows the MD8565-N with the rugged reliability required to maximize driver and passenger safety and optimize mobile surveillance.

Employing VIVOTEK's Smart Stream II technology, the MD8565-N can reduce both bandwidth and storage consumption by up to 50%* while maintaining high standards of image quality. Further, Power over Ethernet (PoE) functionality also allows the camera to be operated and powered with a single Ethernet cable, allowing greater ease of installation. Finally, in order to facilitate on-board storage, data portability, and localized backup, the camera is equipped with a MicroSD/SDHC/SDXC card slot for local recording.

* Depending on scenes

Key Features

- 30 fps @ 1920x1080
- Built-in 940nm Invisible IR Illuminators up to 10 M
- EN50155 T1 Compliance for Professional Mobile Surveillance
- Smart Stream II to Optimize Bandwidth Efficiency
- Smart IR Technology to Avoid Overexposure
- Weather-proof IP66-, Vandal-proof IK10- and NEMA 4X-rated Housing
- Fast AE for Quick Adaptation to Light Changes
- M12 Connector for PoE/Network



IR On



IR Off

Technical Specifications

Model	MD8565-N(2.8mm): f = 2.8 mm MD8565-N(3.6mm): f = 3.6 mm	S/N Ratio	MD8565-N(2.8mm): 50 dB MD8565-N(3.6mm): 56 dB
System Information		Dynamic Range	70 dB
CPU	Multimedia SoC (System-on-Chip)	Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II
Flash	128 MB	Image Settings	Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, defog, 3DNR, video rotation
RAM	256 MB	Audio	
Camera Features		Audio Capability	One-way Audio
Image Sensor	1/2.9" Progressive CMOS	Compression	G.711, G.726
Maximum Resolution	1920x1080	Interface	Built-in microphone
Lens Type	Fixed-focal	Effective Range	5 meters
Focal Length	MD8565-N(2.8mm): f = 2.8 mm MD8565-N(3.6mm): f = 3.6 mm	Network	
Aperture	MD8565-N(2.8mm): F1.8 MD8565-N(3.6mm): F2.1	Users	Live viewing for up to 10 clients
Field of View	MD8565-N(2.8mm): 113° (Horizontal) 63° (Vertical) 136° (Diagonal) MD8565-N(3.6mm): 77° (Horizontal) 41° (Vertical) 82° (Diagonal)	Protocols	IIPv4, 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, SSL, TLS, NTCIP, CIFS/SMB
Shutter Time	1/5 sec. to 1/32,000 sec.	Interface	10Base-T/100 BaseTX Ethernet (M12, Female, 4pin D-coded)
WDR Technology	WDR Enhanced	ONVIF	Supported, specification available at www.onvif.org
Day/Night	Removable IR-cut filter for day & night function	Intelligent Video	
Minimum Illumination	MD8565-N(2.8mm): 0.16 Lux @ F1.8 (Color) < 0.01 Lux @ F1.8 (B/W) 0 Lux with IR illumination on MD8565-N(3.6mm): 0.18 Lux @ F2.1 (Color) < 0.01 Lux @ F2.1 (B/W) 0 Lux with IR illumination on	Video Motion Detection	Five-window video motion detection
Tilt Range	0° ~ 80°	Alarm and Event	
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
IR Illuminators	Built-in 940nm Invisible IR Illuminators up to 10 meters with Smart IR IR LED*4	Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	General	
Video		Connectors	M12 for Network/PoE connection*1 Built-in microphone*1 Digital input*1 DC Power Input*1
Compression	H.264 & MJPEG	LED Indicator	System power and status indicator
Maximum Frame Rate	30 fps @ 1920x1080 60 fps @ 1280x720	Power Input	IEEE 802.3af PoE Class 0 DC 7.5V~DC48V
Maximum Streams	4 simultaneous streams	Power Consumption	Max. 5.5 W

Technical Specifications

Dimensions	Ø 110 x 57 mm
Weight	400 g
Casing	IP66, IK10, NEMA 4X
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL, NEMA 4X, EN50155 T1, IEC60571, EN61373, EN50121-3-2, EN50121-4, E-Mark
Operating Temperature	Starting Temperature: -25°C ~ 55°C (-13°F ~ 131°F) Working Temperature: -25°C ~ 55°C (-13°F ~ 131°F)
Humidity	90%
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 8/7
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11

Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
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Included Accessories

Others	Quick installation guide, screwdriver, alignment sticker
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Dimensions

