



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
- Trend Micro IoT Security within Standard Warranty Period



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		
Camera Features			
Image Sensor	1/2.9" Progressive CMOS	Audio	
Maximum Resolution	1920x1080	Audio Capability	One-way Audio
Lens Type	Fixed-focal	Compression	G.711, G.726
Focal Length	MD8565-N(2.8mm): f = 2.8 mm MD8565-N(3.6mm): f = 3.6 mm	Interface	Built-in microphone
Aperture	MD8565-N(2.8mm): F1.8 MD8565-N(3.6mm): F2.1	Effective Range	5 meters
Field of View	MD8565-N(2.8mm): 113° (Horizontal) 63° (Vertical) 136° (Diagonal) MD8565-N(3.6mm): 77° (Horizontal) 41° (Vertical) 82° (Diagonal)	Network	
Shutter Time	1/5 sec. to 1/32,000 sec.	Users	Live viewing for up to 10 clients
WDR Technology	WDR Enhanced	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, CIFS/ SMB
Day/Night	Removable IR-cut filter for day & night function	Interface	10Base-T/100 BaseTX Ethernet (M12, Female, 4pin D-coded)
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	ONVIF	Supported, specification available at www.onvif.org
Tilt Range	0° ~ 80°	Intelligent Video	
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in,12x built in)	Video Motion Detection	Five-window video motion detection
IR Illuminators	Built-in 940nm Invisible IR Illuminators up to 10 meters with Smart IR IR LED*4	Alarm and Event	
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Video		Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
Compression	H.264 & MJPEG	General	
Maximum Frame Rate	30 fps @ 1920x1080 60 fps @ 1280x720	Connectors	M12 for Network/PoE connection*1 Built-in microphone*1 Digital input*1 DC Power Input*1
Maximum Streams	4 simultaneous streams	LED Indicator	System power and status indicator
		Power Input	IEEE 802.3af PoE Class 0 DC 7.5V~DC48V
		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	Internet Explorer 10/11 Chrome version 58.0.3029 or above

Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Included Accessories	
Others	Quick installation guide, screwdriver, alignment sticker
Dimensions	

