



# 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
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	256 MB
<b>Camera Features</b>	
Image Sensor	1/2.9" Progressive CMOS
Maximum Resolution	1920x1080
Lens Type	Fixed-focal
Focal Length	MD8565-N(2.8mm): f = 2.8 mm MD8565-N(3.6mm): f = 3.6 mm
Aperture	MD8565-N(2.8mm): F1.8 MD8565-N(3.6mm): F2.1
Field of View	MD8565-N(2.8mm): 113° (Horizontal) 63° (Vertical) 136° (Diagonal) MD8565-N(3.6mm): 77° (Horizontal) 41° (Vertical) 82° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Enhanced
Day/Night	Removable IR-cut filter for day & night function
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
Tilt Range	0° ~ 80°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
IR Illuminators	Built-in 940nm Invisible IR Illuminators up to 10 meters with Smart IR IR LED*4
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
<b>Video</b>	
Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 60 fps @ 1280x720
Maximum Streams	4 simultaneous streams

S/N Ratio	MD8565-N(2.8mm): 50 dB MD8565-N(3.6mm): 56 dB
Dynamic Range	70 dB
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II
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
<b>Audio</b>	
Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Built-in microphone
Effective Range	5 meters
<b>Network</b>	
Users	Live viewing for up to 10 clients
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
Interface	10Base-T/100 BaseTX Ethernet (M12, Female, 4pin D-coded)
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Intelligent Video</b>	
Video Motion Detection	Five-window video motion detection
<b>Alarm and Event</b>	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
<b>General</b>	
Connectors	M12 for Network/PoE connection*1 Built-in microphone*1 Digital input*1 DC Power Input*1
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
<b>System Requirements</b>	
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

