





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

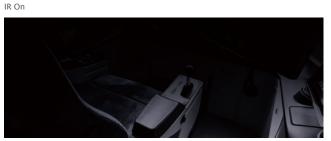
VIVOTEK's MD8565-N is a compact 2-megapixel IR mobile dome network camera geared toward a wide range of transport applications such as buses, trains, and other vehicles. With full EN50155 T1 compliance, IP66-, IK10- and NEMA 4X-rated rugged design, the camera can withstand shocks, vibration, humidity, 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
- \cdot Weather-proof IP66-, Vandal-proof IK10- and NEMA 4X-rated Housing
- · Fast AE for Quick Adaptation to Light Changes
- · M12 Connector for PoE/Network





Technical Specifications

Model	MD8565-N(2.8mm): f = 2.8 mm MD8565-N(3.6mm): f = 3.6 mm
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	256 MB
Camera Features	
mage Sensor	1/2.9" Progressive CMOS
Maximum Resolution	1920x1080
Lens Type	Fixed-focal
ocal 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.
VDR 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)
R 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
/ideo	
Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 60 fps @ 1280x720
	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
Audio	
Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Built-in microphone
Effective Range	5 meters
Network	
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, PPP0E, CoS, QoS, SNMF 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 ww onvif.org
Intelligent Video	
Video Motion Detection	Five-window video motion detection
Alarm and Event	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tamperind detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTF NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
General	
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
	IEEE 802.3af PoE Class 0
Power Input	DC 7.5V~DC48V

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

	Accessories		
Others	Quick installation guide, screwdri alignment sticker	Quick installation guide, screwdriver, alignment sticker	
Dimensior	15		
	Ø110 mm		



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