



## Technical Specifications

<b>Models</b> MD7560 (PoE) MD7560D (DC power)	<b>Alarm and Event Management</b> <ul style="list-style-type: none"> <li>Triple-window video motion detection</li> <li>Tamper detection</li> <li>Temperature alarm trigger</li> <li>One D/I for external sensor and alarm</li> <li>Event notification using HTTP, SMTP, or FTP</li> <li>Local recording of MP4 file</li> </ul>
<b>System</b> <ul style="list-style-type: none"> <li>CPU: Mozart 120 SoC</li> <li>Flash: 16MB</li> <li>RAM: 128MB + 128MB</li> <li>Embedded OS: Linux 2.6</li> </ul>	<b>On-board Storage</b> <ul style="list-style-type: none"> <li>MicroSD/SDHC card slot</li> <li>Stores snapshots and video clips</li> </ul> <small>*Note: No MicroSD/SDHC card slot &amp; local storage function for Argentina.</small>
<b>Lens</b> <ul style="list-style-type: none"> <li>Board lens, f = 2.8 mm, F2.0, Fixed</li> </ul>	<b>Security</b> <ul style="list-style-type: none"> <li>Multi-level user access with password protection</li> <li>IP address filtering</li> <li>HTTPS encrypted data transmission</li> <li>802.1X port-based authentication for network protection</li> </ul>
<b>Angle of View</b> <ul style="list-style-type: none"> <li>98° (horizontal)</li> <li>73° (vertical)</li> <li>122° (diagonal)</li> </ul>	<b>Users</b> <ul style="list-style-type: none"> <li>Live viewing for up to 10 clients</li> </ul>
<b>Shutter Time</b> <ul style="list-style-type: none"> <li>1/5 sec. to 1/40,000 sec.</li> </ul>	<b>Dimension</b> <ul style="list-style-type: none"> <li>Camera: 130 mm (D) x 107 mm (W) x 47 mm (H)</li> <li>Cable length: 520 mm</li> <li>Cable diameter: Ø 7.2 mm; Ring: Ø 14 mm</li> </ul>
<b>Image Sensor</b> <ul style="list-style-type: none"> <li>1/3.2" CMOS sensor in 1600x1200 resolution</li> </ul>	<b>Weight</b> <ul style="list-style-type: none"> <li>450 g</li> </ul>
<b>Minimum Illumination</b> <ul style="list-style-type: none"> <li>0.6 Lux / F2.0</li> </ul>	<b>LED Indicator</b> <ul style="list-style-type: none"> <li>System restore status indicator</li> </ul>
<b>Video</b> <ul style="list-style-type: none"> <li>Compression: MJPEG &amp; MPEG-4</li> <li>Streaming: Multiple simultaneous streams</li> <li>MPEG-4 streaming over UDP, TCP, HTTP, or HTTPS</li> <li>MPEG-4 multicast streaming</li> <li>MJPEG streaming over HTTP or HTTPS</li> <li>Supports activity adaptive streaming for dynamic frame rate control</li> <li>Supports video cropping for bandwidth savings</li> <li>Supports ePTZ for data efficiency</li> <li>Supports 3GPP mobile surveillance</li> <li>Frame rates:</li> <li>MPEG-4:</li> <li>Up to 30 fps at 800x600</li> <li>Up to 20 fps at 1280x720Up to 10 fps at 1600x1200</li> <li>MJPEG:</li> <li>Up to 30 fps at 1280x720Up to 15 fps at 1600x1200</li> </ul>	<b>Power</b> <ul style="list-style-type: none"> <li>Power consumption: Max. 4.3 WMax. 7.5 W (with heater)</li> <li>802.3af compliant Power-over-Ethernet (Class 3) (MD7560)</li> <li>DC 12~36V Input (MD7560D)</li> </ul>
<b>Image Settings</b> <ul style="list-style-type: none"> <li>Adjustable image size, quality, and bit rate</li> <li>Time stamp and text caption overlay</li> <li>Flip &amp; mirror</li> <li>Configurable brightness, contrast, saturation, sharpness, white balance, and exposure</li> <li>AGC, AWB, AES</li> <li>BLC (Backlight Compensation)</li> <li>Supports privacy masks</li> </ul>	<b>Housing</b> <ul style="list-style-type: none"> <li>Metal housing for vandal protection</li> <li>Weather-proof IP67-rated housing</li> </ul>
<b>Audio</b> <ul style="list-style-type: none"> <li>Compression:</li> <li>GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps</li> <li>MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps</li> <li>Interface: External microphone input</li> <li>Supports two-way audio</li> <li>Supports audio mute</li> </ul>	<b>Approvals</b> <ul style="list-style-type: none"> <li>CE, LVD, FCC, VCCI, C-Tick</li> <li>EN50155</li> </ul>
<b>Networking</b> <ul style="list-style-type: none"> <li>10/100 Mbps Ethernet</li> <li>Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X</li> </ul>	<b>Operating Environments</b> <ul style="list-style-type: none"> <li>Operating temperature: -25 ~ 55 °C (-13 ~ 131 °F)</li> <li>Humidity: 90% RH</li> </ul>
	<b>Viewing System Requirements</b> <ul style="list-style-type: none"> <li>OS: Microsoft Windows 2000/XP/Vista</li> <li>Browser: Mozilla Firefox, Internet Explorer 6.x or above</li> <li>Cell phone: 3GPP player</li> <li>Real Player: 10.5 or above</li> <li>Quick Time: 6.5 or above</li> </ul>
	<b>Installation, Management, and Maintenance</b> <ul style="list-style-type: none"> <li>Camera angle adjustment: Tilt 90° (0° ~ 90°)</li> <li>Installation Wizard 2</li> <li>32-CH ST7501 recording software</li> <li>Supports firmware upgrade</li> </ul>
	<b>Applications</b> <ul style="list-style-type: none"> <li>SDK available for application development and system integration</li> </ul>
	<b>Warranty</b> <ul style="list-style-type: none"> <li>24 months</li> </ul>

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# Fixed Dome Network Camera MD7560/7560D

2MP • Vandal-proof • Mobile Surveillance



VIVOTEK MD7530 and MD7560 are compact network cameras geared towards transportation applications such as buses, trains, and other vehicles. With full EN50155 compliance & IP67-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 MD7530/60 with the rugged reliability required to maximize passenger safety and optimize mobile surveillance.

With the tamper detection feature, the MD7530/60 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 card slot for local recording\*.

The MD7530/60 also offers a broad spectrum of advanced features, including QoS for optimized bandwidth efficiency, IPv6 for next generation networks, temperature alarm trigger, HTTPS encrypted data transmission, 802.1X authentication for secure network protection, and 32-CH ST7501 recording software.

\* No MicroSD/SDHC card slot & local storage function for Argentina.



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 Email : [sales@createl.be](mailto:sales@createl.be)  
 Website : [www.createl.be](http://www.createl.be)



### Easy Mobile Installation

With its compact size and discreet design, the MD7560/7560D can be easily installed on sloped surfaces of vehicles and seamlessly blend with the surrounding environment, reducing customers' unease towards being under surveillance.

Moreover, VIVOTEK offers two types of power supply solutions: PoE or DC input. The MD7560/7560D is compliant with IEEE 802.3af PoE switches, and can minimize cabling issues during installation or maintenance. The MD7560/7560D models are also compatible with DC 12V, 24V, or 36V mobile power inputs, bringing great flexibility for mobile security applications.



### Reliability in Demanding Environments

Due to the demanding requirements for protection against extreme vibration, humidity, and temperature, network cameras for mass transit require a high level of reliability. In conformance to international standards, the MD7560/7560D/7530/7530D guarantees the highest level of performance and stability for mass transit surveillance.

### EN50155 Compliance

With resistance to an extended temperature range of -25 to 55 ° C, the MD7560/7560D are compliant with the EN50155 standard for electronic equipment operating in railway vehicles. It also meets the EN50155's shock and vibration requirements to provide high reliability and rugged performance during movement.

### IP67-rated Housing

The MD7560/7560Ds' weather-proof IP67-rated housing provides protection from extreme weather conditions, dust, and moisture. It offers total protection against contamination and withstands water jet ingress, allowing for operation in demanding environments.



### Enhanced Security

#### Tamper Detection

This function can detect changes caused by camera tampering, such as blockage and spray-painting, and send out alerts so that the operator can address security issues immediately, making the MD7560/7560D an invaluable solution for vandalism-prone areas.

#### Vandal Protection

Equipped with a protective housing, the MD7560/7560D is secure from vandalism, making it suitable for high-risk environments. The metal base and polycarbonate cover enable the MD7560/7560D to withstand high impacts, thereby ensuring functional operation at all times.



### Value-added Features

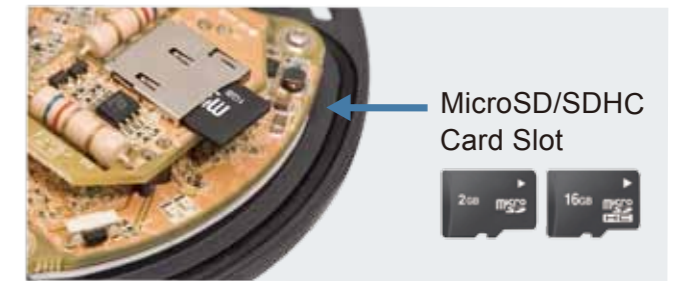
#### Temperature Alarm

MD7560/7560D has a built-in temperature sensor in order to prevent overheating. If a certain temperature threshold is reached, the camera can send an alarm via FTP or SMTP to warn an administrator. Upon viewing the snapshot or video, an administrator can determine if an event has occurred.

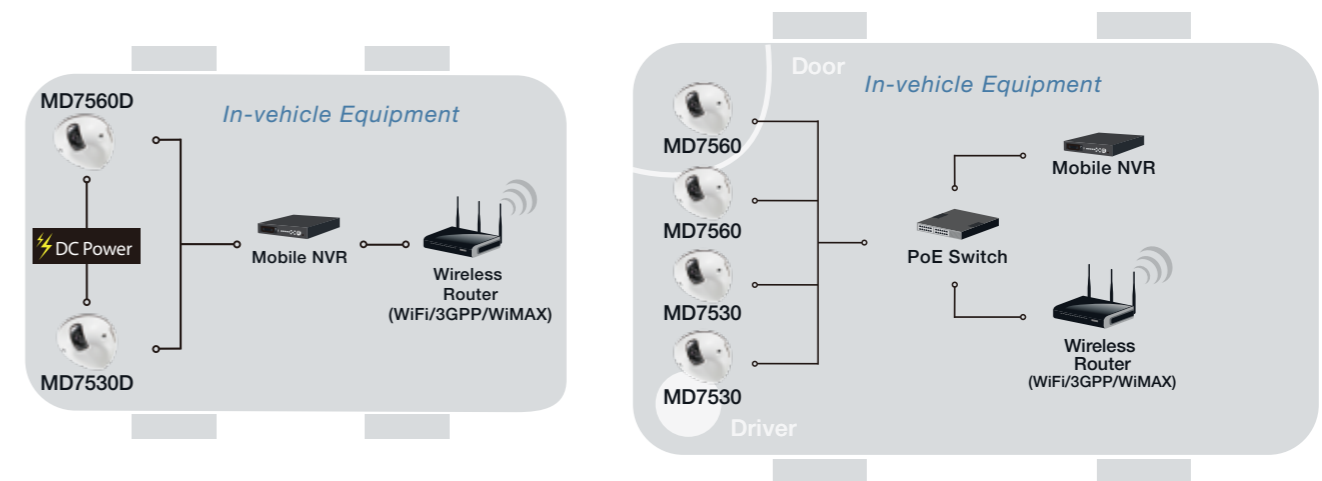


#### Uninterrupted Recording

The MD7560/7560D features a MicroSD/SDHC card slot to provide short-term and portable video storage on removable memory cards, thereby providing a higher level of convenience and data protection. With this feature, because camera images are continuously recorded on the MicroSD/SDHC card, the chance of data loss due to network disconnection is greatly reduced.



### System Overview



### Product Features

- 2-megapixel CMOS Sensor
- EN50155 Compliance for Professional Mobile Surveillance
- Wide Angle Fixed Lens
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Multiple Simultaneous Streams
- Video Cropping for Bandwidth Savings
- ePTZ for Data Efficiency
- Temperature Alarm Trigger
- Tamper Detection for Unauthorized Changes
- IP67-rated, Tamper- and Vandal-proof Housing
- Built-in 802.3af Compliant PoE (Class 3) (MD7560)
- Built-in MicroSD/SDHC Card Slot for On-board Storage\*



\* No SD/SDHC card slot & local storage function for Argentina.