## Technical Specifications

### Lens
- Board lens, Fixed, f = 2.8 mm, F2.0

### Field of View
- 110° (horizontal) 
- 81.5° (vertical) 
- 142° (diagonal)

### Shutter Time
- 1/5 sec. to 1/102,000 sec

### Image Sensor
- 1/2.7" progressive scan CMOS sensor in 1920x1080 resolution

### Minimum Illumination
- 0.2 Lux (@ F2.0)

### Video
- Compression: H.264, MPEEG & MPEG-4
- Streaming: Multiple simultaneous streams: H.264 streaming over UDP/TCP/HTTP/HTTPS
- MPEEG-A streaming over UDP/TCP/HTTP/HTTPS
- MPEEG-P streaming over HTTP/HTTPS
- Supports activity adaptive streaming for dynamic frame rate control
- Supports video cropping for bandwidth saving
- Supports 4PTZ for data efficiency
- Supports 3GP mobile surveillance
- Frame rates: H.264: Up to 30 fps at 1920x1080
- MPEEG-4: Up to 30 fps at 1920x1080
- MPEEG: Up to 30 fps at 1920x1080

### Audio
- Compression: GSM/AMR audio encoding, bit rate: 4.75 kbps to 12.2 kbps
- MPEEG-AAC audio encoding, bit rate: 16 kbps to 128 kbps
- G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law
- Mode selectable
- Interfaces: External microphone input
- Supports audio mute

### Networking
- 10/100 Mbps Ethernet, RJ-45
- Serial support
- Protocols: IP, IPv6, TCP, ICMP, HTTP, HTTPS, UPnP
- WPS/IEEE802.11W / WPA / WPA2 / WPA3 encryption
- DNS, DDNS, PPPoE, CoS, QoS, SNMP, and SSO 1X

### Alarm and Event Management
- Triple-window video motion detection
- Tamper detection
- One DI for external sensor and alarm
- Event notification using HTTP, SMTP, or FTP
- Local recording of MP4 file

### On-board Storage
- MicroSD/SDHC card slot
- Stores snapshots and video clips

### Security
- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission
- 802.1X port-based authentication for network protection

### Users
- Live viewing for up to 10 clients

### Weight
- Net: 450 g

### LED Indicator
- System restore status indicator

### Power
- Power consumption:
  - Max: 4.2 W
  - Max: 7.5 W (with heater)
- 802.3af compliant Power-over-Ethernet (Class 3) (MD8562)
- DC 12-36V input (MD8562D)

### Housing
- Vandal-proof metal housing
- Weather-proof IP67-rated housing

### Approvals
- CE, LVD, FCC, VCCI, C-Tick

### Operating Environments
- Temperature: -25°C ~ 55°C (-13°F ~ 131°F)
- Humidity: 90% RH

### Viewing System Requirements
- OS: Microsoft Windows 7/10/XP/2000
- Browser: Mozilla Firefox, Internet Explorer 7.x or above
- Cell phone: 3GPP player
- Real Player: 10.5 or above
- Quick Time: 6.5 or above

### Installation, Management, and Maintenance
- Camera angle adjustments: Tilt 90° (0° ~ 90°)
- Installation Wizard
- 32-CH ST7501 recording software
- Supports firmware upgrade

### Applications
- SDK available for application development and system integration

### Warranty
- 32-CH ST7501 recording software
- 36 months

### Dimensions
- Camera: 130 mm (D) x 107 mm (W) x 47 mm (H)
- Cable length: 520 mm
- Cable diameter: Ø 7.2 mm; Max width: Ø 14 mm

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**Fixed Dome Network Camera**

**MD8562/62D**

2MP • Vandal-proof • Mobile Surveillance • WDR Enhanced

VIVOTEK MD8562/62D is a series of compact, 2-Megapixel network cameras geared toward transportation applications, such as buses, trains and other moving vehicles. With full EN50155 compliance & IP67-rated design, the camera can withstand shock, vibration, humidity, dust and temperature fluctuations, maintaining stable and reliable video capturing during vehicle movement. Furthermore, the vandal-proof metal housing provides robust protection from vandalism. As such, the combination of high resolution imaging and protective housing endows the MD8562/62D with the rugged reliability required to maximize passenger safety and optimize mobile surveillance.

By utilizing high-definition 1920x1080 resolution, the MD8562/62D delivers extremely clear and detailed images, achieving accurate identification of people or objects with ease. With WDR enhancement, users are able to identify image details under extreme lighting conditions, dark or bright. Video footage of in-vehicle passenger activities or vehicle accidents captured with this camera can thus be used for post-event forensic evidence.

With the tamper detection feature, the MD8562/62D are truly robust and intelligent cameras that keep security staff notified once suffering video loss from being blocked or spray-painted. PoE (Power-over-Ethernet) also allows the MD8562 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. With such a broad spectrum of advanced features, the MD8562/62D are the best choices for mobile surveillance.
Product Features

**MD8562/62D Fixed Dome Network Camera**

- 2MP • Vandal-proof • Mobile Surveillance • WDR Enhanced

- 2-Megapixel CMOS Sensor
- Up to 30 fps @ 1080p Full HD
- Wide Angle Fixed Lens
- EN50155 Compliance for Professional Mobile Surveillance
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE (MD8562)
- Built-in MicroSD/SDHC Card Slot for On-board Storage