VIVOTEK MD7560 is a compact, 2-megapixel network camera geared toward 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 MD7560 with the rugged reliability required to maximize passenger safety and optimize mobile surveillance.

By utilizing high definition 1600x1200 resolution, the MD7560 can deliver extremely clear and detailed images, achieving accurate identification of people or objects with ease. 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 MD7560 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 MicroSDHC card slot for local recording.

The MD7560 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.
Specifications

System
- CPU: Mozart 120 SoC
- Flash: 16MB
- RAM: 125MB + 128MB
- Embedded OS: Linux 2.6

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

Angle of View
- 98° (horizontal)
- 73° (vertical)
- 122° (diagonal)

Shutter Time
- 1/5 sec. to 1/40,000 sec.

Image Sensor
- 1/3.2" CMOS sensor in 1600x1200 resolution

Minimum Illumination
- 0.6 Lux / F2.0

Video
- Compression: MJPEG & MPEG-4
- Streaming:
  - Multiple simultaneous streams
  - MJPEG streaming over UDP, TCP, HTTP or HTTPS
  - MPEG-4 multicast streaming
  - Supports adaptive streaming for dynamic frame rate control
  - Supports video cropping for bandwidth saving
  - Supports ePTZ for data efficiency
  - Supports 3GPP mobile surveillance
  - Frame rates:
    - JPEG: Up to 30 fps at 800x600
    - MJPEG: Up to 20 fps at 1280x720
    - Up to 10 fps at 1600x1200

Image Settings
- Adjustable image size, quality and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable brightness, contrast, saturation, sharpness, white balance and exposure
- AGC, AWB, AES
- BLC (Backlight Compensation)
- Supports privacy masks

Audio
- Compression:
  - GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps
  - MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps
- Interface: External microphone input
- Supports audio input via SIP protocol
- Supports audio mute

Networking
- 10/100 Mbps Ethernet

Alarm and Event Management
- Triple-window video motion detection
- Tamper detection
- Temperature alarm trigger
- One D/I for external sensor
- 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

Dimension
- 130 mm (D) x 107 mm (W) x 47 mm (H)

Weight
- Net: 450 g

LED Indicator
- System restore status indicator

Power
- Power consumption:
  - Max: 4.3 W Max.
  - 7.5 W (with heater)
  - 802.3af compliant Power-over-Ethernet (MD7560)
  - DC 12–36V Input (MD7560D)

Housing
- Vandable-proof metal housing
- Weather-proof IP67-rated housing

Approvals
- CE, LVD, FCC, VCCI, C-Tick
- EN50155

Operating Environments
- Temperature: -25 ~ 50 °C (-13 ~ 122 °F)
- Humidity: 90% RH

Viewing System
- Requirements

Installation, Management, and Maintenance
- Camera angle adjustment: Tilt 90° (0° ~ 90°)
- Rugged M12 connector
- Installation Wizard 2
- 32-CH ST7501 recording software
- Supports firmware upgrade

Applications
- SDK available for application development and system integration

Warranty
- 24 months

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