![VIVOTEK - BUILT WITH RELIABILITY]

FD7160
Mobile Surveillance
Fixed Dome Network Camera

2MP • Vandal-proof • Tamper Detection

VIVOTEK FD7160 is a compact, 2-megapixel network camera designed for tough vehicular conditions, especially in public transportation applications such as buses, trains, etc. Its IP66-rated, vandal-proof metal housing effectively provides robust protection from being damaged by water and dust as well as defacement. The combination of the high resolution imaging and protective housing endows the FD7160 with first-rate identification capabilities and the rugged reliability required by mobile surveillance.

By utilizing high definition 1600x1200 resolution, the FD7160 can deliver extremely clear and detailed images, achieving accurate identification of objects or people with ease. Its multiple-stream function allows each video stream to be delivered in a different resolution, frame rate, and image quality for individual quality or bandwidth demands, providing a higher level of flexibility for dealing with camera images on different platforms.

By employing tamper detection, the FD7160 is truly a robust and intelligent camera that keeps security staff notified once it suffers video loss from being blocked or spray-painted. The FD7160 also utilizes PoE (Power-over-Ethernet), allowing it to be operated and powered from a single Ethernet cable, giving greater ease of installation. In order to facilitate on-board storage and data portability, the FD7160 is also complete with a MicroSD/SDHC card slot for local recording.

The FD7160 also offers a broad spectrum of advanced features, including dual codec, 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 central management software.
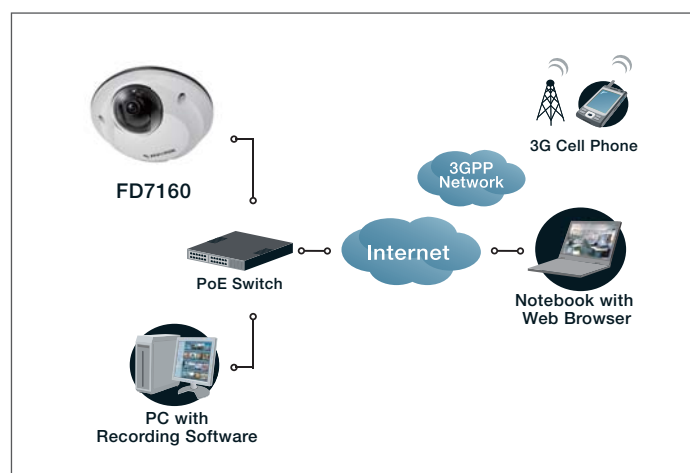
Features

> 2-megapixel CMOS Sensor

> Wide Angle Fixed Lens

> Real-time MPEG-4 and MJPEG Compression (Dual Codec)

> Multiple Streams Simultaneously

> Tamper Detection for Unauthorized Changes

> Temperature Alarm Trigger

> IP66-rated, Tamper- and Vandal-proof Housing

> Built-in 802.3af Compliant PoE

> HTTPS Encrypted Data Transmission

> 802.1X Port-based Authentication for Network Protection

> MicroSD/SDHC Card Slot for On-board Storage

> Includes Free Standard 32-CH ST7501 Central Management Software

System	· CPU: Mozart 120 SoC · Flash: 16MB · RAM: 128MB + 128MB · Embedded OS: Linux 2.6
Lens	· Board lens, f = 3.6 mm, F1.8, Fixed · IR Corrected
Angle of View	· 77° (horizontal) · 54° (vertical) · 100.2° (diagonal)
Shutter Time	· 1/5 sec. to 1/40,000 sec.
Image Sensor	· 1/3.2" CMOS sensor in 1600x1200 resolution
Minimum Illumination	· TBD
Video	· Compression: MJPEG & MPEG-4 · Streaming: Simultaneous multiple streams MPEG-4 streaming over UDP, TCP, HTTP or HTPPS MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS · Supports activity adaptive streaming for dynamic frame rate control · Supports video cropping for bandwidth saving · Supports ePTZ for data efficiency · Supports 3GPP mobile surveillance · Frame rates: MPEG-4: Up to 30 fps at 800x600 Up to 10 fps at 1600x1200 MJPEG: Up to 30 fps at 800x600 UP to 15 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
Networking	· 10/100 Mbps Ethernet, RJ45 · 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
Alarm and Event Management	· Triple-window video motion detection · Tamper detection · Temperature alarm trigger · 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	· Ø 115 mm x 46 mm
Weight	· TBD

LED Indicator	· System restore status indicator
Power	· Power Consumption: TBD · 802.3af compliant Power-over-Ethernet
Housing	· Metal housing for vandal protection · Weather-proof IP66-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	· OS: Microsoft Windows 2000/XP/Vista · Browser: Mozilla Firefox, Internet Explorer 6.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 adjustment: pan ±10° and tilt 90° (0° ~ 90°) · Rugged M12 or RJ45 connector · Installation Wizard 2 · 32-CH ST7501 central management software · Supports firmware upgrade
Applications	· SDK available for application development and system integration
Warranty	· 24 months

System Overview

Distributed by:

VIVOTEK
www.vivotek.com

6F, No.192, Lien-Cheng Rd., Chung-Ho, Taipei County, Taiwan
Tel: +886 2 8245 5282 │ Fax: +886 2 8245 5532 │ E-mail: sales@vivotek.com
VIVOTEK USA, INC.
470 Lakeside Drive Suite C, Sunnyvale, CA 94085 USA
Tel: 408-773-8686 │ Fax: 408-773-8298 │ E-mail: salesusa@vivotek.com