VIVOTEK IP7160 is a cost-effective 2-megapixel network camera ideal for locations and situations requiring accurate identification such as banks and airports. With a 2-megapixel sensor, the IP7160 can deliver extremely clear and detailed images for accurate video content analysis. Additionally, the camera can capture a more comprehensive area of a scene than a standard VGA camera, significantly reducing the number of cameras required.

The IP7160 also supports tamper detection, which detects data loss from camera tampering in real-time. When the camera is blocked, redirected, or spray-painted, security staff will be alerted immediately in accordance with the camera settings. In order to make more efficient use of bandwidth by reducing transmission of unnecessary data, the IP7160 features a SD/SDHC card slot for on-board storage*, which also prevents data loss due to network disconnection. The integrated 802.3af compliant PoE function reduces cabling problems, making the IP7160 a cost-effective surveillance solution.

With other advanced features including simultaneous multiple streams, two-way audio via SIP protocol, and HTTPS encrypted data transmission, the IP7160 proves to be an affordable high-resolution surveillance system.

Features

- 2-megapixel CMOS Sensor
- Auto-iris Lens (Optional)
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Multiple Simultaneous Streams
- Video Cropping for Bandwidth Saving
- ePTZ for Data Efficiency
- Activity Adaptive Streaming for Dynamic Frame Rate Control
- Tamper Detection for Unauthorized Changes
- Built-in 802.3af Compliant PoE
- Two-way Audio via SIP Protocol
- Built-in SD/SDHC Card Slot for On-board Storage*

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

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

Lens
- CS-mount, f = 4.2 mm, F1.8, Fixed

Angle of View
- 71.2° (horizontal)

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

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

Minimum Illumination
- 0.3 Lux / F1.8

Power
- 12V DC
  - Power consumption: Max. 7 W
  - 802.3af compliant Power-over-Ethernet

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

Operating Environments
- Temperature: 0 ~ 50 °C (32 ~ 122 °F)
- Humidity: 90% RH

Viewing System Requirements
- OS: Microsoft Windows 7/Vista/XP/2000
- 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
- Installation Wizard 2
- 32-CH ST7501 central management software
- Supports firmware upgrade

Applications
- SDK available for application development and system integration

Warranty
- 24 months

Video
- Compression: MJPEG & MPEG-4
- Streaming:
  - Simultaneous multiple streams
  - MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
  - MPEG-4 multicast streaming
- 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 20 fps at 1280x720
  - up to 10 fps at 1600x1200
  - MJPEG: up to 30 fps at 1280x720
  - 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, AEC
- 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:
  - Built-in microphone
  - External microphone input
  - Audio output
  - External/Internal microphone switch
- Supports two-way audio via SIP protocol
- Supports audio mute

Networking
- 10/100 Mbps Ethernet, RJ-45

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

On-board Storage
- SD/SDHC card slot
- Stores snapshots and video clips
- Note: No SD/SDHC card slot & local storage function for Argentina.

Security
- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission
- 802.3X port-based authentication for network protection

Users
- Live viewing for up to 10 clients

Dimension
- 154 mm (D) x 72 mm (W) x 62 mm (H)

Weight
- 623 g

LED Indicator
- System power and status indicator
- System activity and network link indicator

System Overview

External View

Accessories

Distributed by:

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