VIVOTEK
BUILT WITH RELIABILITY

IP7160

Fixed Network Camera

2MP • Multiple Streams • SD/SDHC Card

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

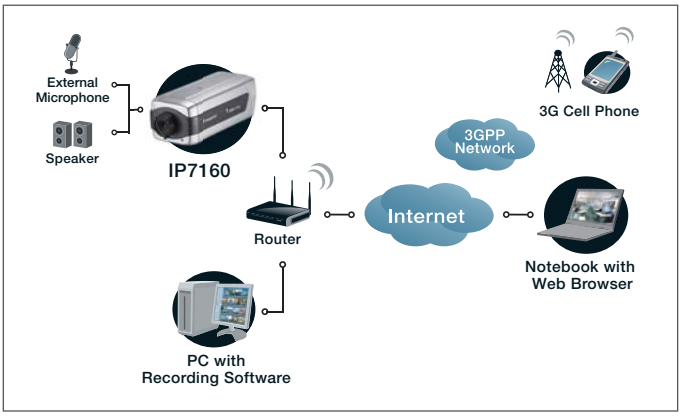
- 2-megapixel CMOS Sensor
- Auto-iris Lens (Optional)
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Multiple Simultaneous Streams
- Video Cropping for Bandwidth Saving
- ePTZ for Data Efficiency
- Activity Adaptive Streaming for Dynamic Frame Rate Control
- Tamper Detection for Unauthorized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

Specifications

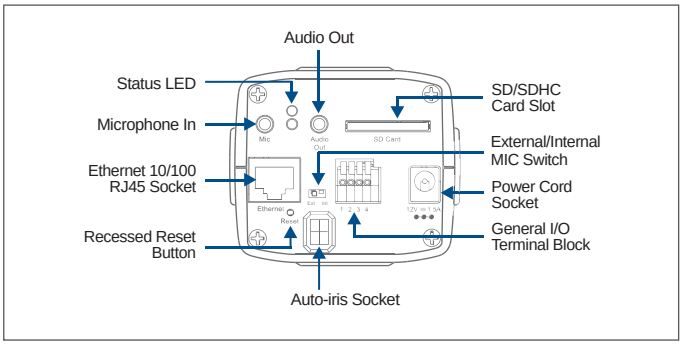
Ver 1.4

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
Video	· Compression: MJPEG & MPEG-4 · Streaming: Simultaneous multiple streams MPEG-4 streaming over UDP, TCP, HTTP or HTTPS 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 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, 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: 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 · 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 · One D/I and one D/O for external sensor and alarm · Event notification using HTTP, SMTP or FTP · Local recording of MP4 file
On-board Storage	· SD/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	· 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
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

System Overview



External View



Accessories

All specifications are subject to change without notice. Copyright ©2010 VIVOTEK INC. All rights reserved.

Distributed by:

use-IP

www.use-ip.co.uk

01304 827609

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