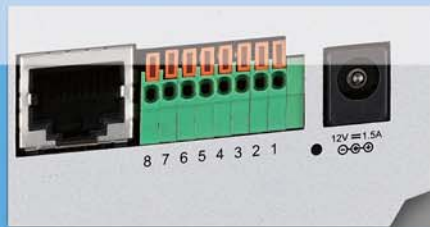# VIVOTEK

Progressive Scan CCD
Network Camera

VIVOTEK IP7151/IP7152, equipped with a progressive scan CCD sensor, delivers superior-quality, crystal-clear video for professional surveillance applications such as monitoring banks, airports, parking lots, and traffic control, etc. It can capture razor-sharp, clear, and high-resolution images of moving objects that traditional interlaced-scan techniques can not achieve. Furthermore, working in combination with the high-performance progressive scan CCD sensor on VIVOTEK IP7151/IP7152 is a removable IR-cut filter that can deliver high-quality images even in infrared illuminated conditions. With self-developed VIVOTEK VVTK-1000 SoC, it simultaneously delivers dual streams for real-time monitoring. It also comes with many useful functionalities that give users more flexibilities such as built-in 802.3af compliant PoE (IP7151), 802.11b/g WLAN connection (IP7152), multi-lingual user interface, vari-focal CS mount lens, two-way audio by SIP protocol (*), and digital I/O for external sensor and alarm. VIVOTEK IP7151/IP7152 is definitely your best choice for a high-performance, professional surveillance system.
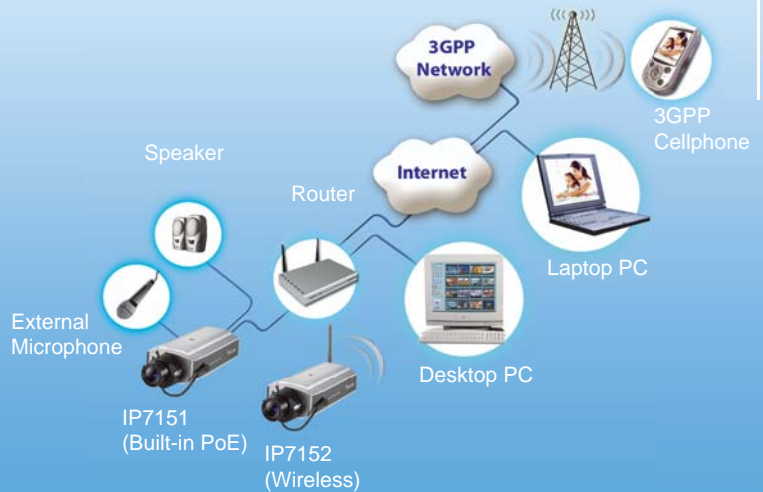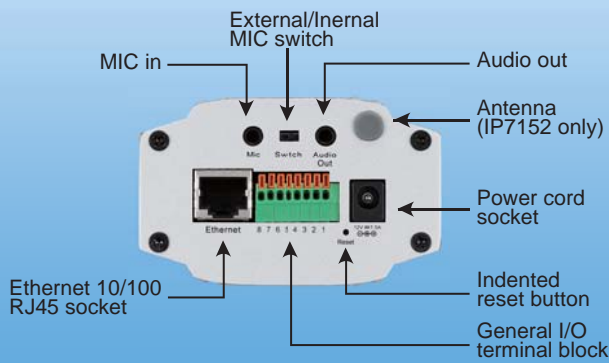
IP7151/IP7152

Features

- Progressive Scan CCD Sensor with VGA Resolution
- 2.9mm~8.2mm Vari-focal, Auto-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Supports Dual Streams Simultaneously
- Supports 3GPP Mobile Surveillance
- Built-in 802.3af Compliant Power over Ethernet (PoE) (IP7151)
- Built-in 802.11b/g WLAN (IP7152)
- Supports Two-way Audio by SIP Protocol (*)
- Digital I/O for External Sensor and Alarm
- Free-bundled 16-CH Recording Software

The features with (*) will be available later by firmware upgrade.

Progressive Scan CCD Network Camera

IP7151/IP7152

Rear Panel

External/Inernal MIC switch

MIC in

Audio out

Antenna (IP7152 only)

Mic   Switch   Audio Out

Power cord socket

Ethernet

8 7 6 1 4 3 2 1

Reset

Ethernet 10/100 RJ45 socket

Indented reset button

General I/O terminal block

3GPP Network

3GPP Cellphone

Speaker

Router

Internet

Laptop PC

External Microphone

Desktop PC

IP7151 (Built-in PoE)

IP7152 (Wireless)

Technical Specifications

Models	· IP7151 (Built-in PoE) · IP7152 (Built-in WLAN)
System	· CPU: VVTK-1000 SoC · Flash: 8MB · RAM: 64MB · Embedded OS: Linux 2.4
Lens	· Lens: CS-mount, f=2.9mm~8.2mm vari-focal, auto-iris · IR Corrected · Embedded removable IR-cut filter for day & night function
Angle of view	· 69.0 ° ~ 26.7 ° (horizontal) · 51.0 ° ~ 20.0 ° (vertical)
Shutter Time	· 1/30 sec. to 1/15000 sec.
Image Sensor	· SONY 1/4" progressive scan CCD sensor with VGA resolution
Minimum Illumination	· 1.0Lux/F1.0

Video	· Compression: MJPEG & MPEG-4
	· Streaming:
	  Simultaneous dual-streaming
	  MPEG-4 streaming over UDP, TCP, or HTTP
	  MPEG-4 multicast streaming
	  MJPEG streaming over HTTP
	  Supports 3GPP mobile surveillance
	· Frame rates: 640x480 up to 30fps

Image settings	· Adjustable image size, quality, and bit rate · Time stamp and text caption overlay · Flip & mirror · Configurable brightness, contrast, saturation, and hue · AGC, AWB, AES · Automatic or manual day/night mode · Backlight compensation (BLC) · 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
	· Supports two-way audio by SIP protocol (*)
	· Supports audio mute

Networking	· 10/100 Mbps Ethernet, RJ-45 · Protocols: IPv4, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, and PPPoE · Built-in 802.11b/g WLAN (IP7152)
Alarm and Event Management	· Triple-window video for motion detection · One D/I and one D/O for external sensor and alarm · Event notification using HTTP, SMTP, or FTP · Local recording of MP4 files
Security	· Multi-level user access with password protection · IP address filtering · Wireless: WEP, WPA-PSK, WPA2 (IP7152)
Users	· Camera live viewing for up to 10 clients
Dimension (including lens)	· 205.5mm (D) x 82.1mm (W) x 51.2mm (H)
Weight (including lens)	· Net: 568g (IP7151) · Net: 581g (IP7152)
LED Indicator	· System power and status indicator · System activity and network link indicator
Power	· 12V DC · 802.3af compliant Power over Ethernet (IP7151)
Approvals	· CE, FCC, C-Tick, LVD, MIC
Operating Environments	· Temperature: 0 ° ~ 40 ° C (32 ° ~ 104 ° F) · Humidity: 20 % ~ 80 % RH
Viewing System Requirements	· OS: Microsoft Windows 2000/XP/Vista · Browser: Internet Explorer 6.x or above · Cellphone: 3GPP player · Real Player 10.5 or above · Quick Time 6.5 or above · Packet Video Player 3.0 or above
Installation, Management, and Maintenance	· Installation Wizard 2 · 16-ch recording software · Supports firmware upgrade
Applications	· SDK available for application development and system integration

VIVOTEK

TL 9000

TÜV

RoHS

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