



PZ7151/7152 Pan/Tilt/Zoom Network Camera **2.6x Zoom · Progressive CCD**

VIVOTEK PZ7151 (PoE) /PZ7152 (WLAN), equipped with a progressive scan CCD sensor and pan-focus 2.6x optical zoom lens, is a high-performance network camera for indoor surveillance applications such as retail stores, offices or bank security. With progressive scan techniques, this network camera is ideal to offer clear, high-quality video and captures ultra-smooth images of fast-moving objects without any pixilated edges. Built into the camera is a 2.6x motorized pan-focus zoom module which provides greater depth of field when viewing near or distant objects. With a 350-degree horizontal and 125-degree vertical range of capture, it effectively gives users a wide-area bird's view. Wireless and Power over Ethernet connection help reduce the cabling problems and ease the installation procedure. VIVOTEK PZ7151/PZ7152 also comes with the free-bundled, multi-lingual 16-channel recording software, which helps users to set up a powerful surveillance system.

Features

- SONY Progressive Scan CCD Sensor in VGA Resolution
- 2.6x Pan-focus Zoom Lens
- Motorized Wide-range Pan/Tilt (Pan: +175° ~ -175°; Tilt: +90° ~ -35°)
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Supports Dual Streams Simultaneously
- 3GPP Mobile Surveillance
- Two-way Audio by SIP Protocol
- Built-in/External Microphone Switch
- Built-in 802.3af Compliant PoE (PZ7151)
- Built-in 802.11b/g WLAN (PZ7152)
- Digital I/O for External Sensor and Alarm

System Overview



Specifications

Models

- PZ7151 (PoE)
- PZ7152 (WLAN)

System

- CPU: VVTK-1000 SoC
- Flash: 8MB
- RAM: 64MB
- Embedded OS: Linux 2.4

Pan/Tilt/Zoom

- Pan range: 350° (-175° ~ +175°)
- Tilt range: 125° (-35° ~ +90°)
- Auto pan mode
- Auto patrol mode
- 2.6x optical zoom

Lens

- Board lens, f=2.8 ~ 7.3 mm, auto iris, focus range: 0.75 mm to infinity

Shutter Time

Angle of view

- 28.7°~73.4° (horizontal)
- 21.6°~54.7° (vertical)
- 35.8°~92.2° (diagonal)

Image Sensor

- SONY 1/4" progressive scan CCD sensor in VGA resolution

Minimum Illumination

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, and saturation
- AGC, AWB, AES
- Backlight compensation (BLC)

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 by SIP protocol
- Supports audio mute

Networking

- 10/100 Mbps Ethernet, RJ-45
- Protocols: IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, and PPPoE
- Built-in 802.11b/g WLAN (PZ7152)

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

Security

- Multi-level user access with password protection
- IP address filtering
- Wireless: WEP, WPA-PSK, WPA2 (PZ7152)

Users

- Camera live viewing for up to 10 clients

Dimension

- 104.1 mm (W) x 103.5 mm (D) x 118 mm (H)

Weight

- Net: 352 g (PZ7151)
- Net: 371 g (PZ7152)

LED Indicator

- System activity and network link indicator

Power

- 12V DC
- 802.3af compliant Power over Ethernet (PZ7151)
- Power consumption: Max. 12W

Approvals

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

Operating Environments

- Temperature: 0° ~ 50° C (32° ~ 122° 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

Installation, Management, and Maintenance

- Installation Wizard 2
- 16-CH recording software
- Supports firmware upgrade

Applications

- SDK available for application development and system integration

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