



PZ7111/7112 PTZ Network Camera

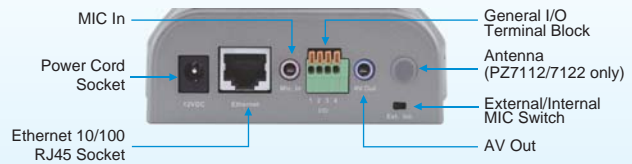
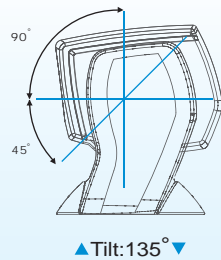
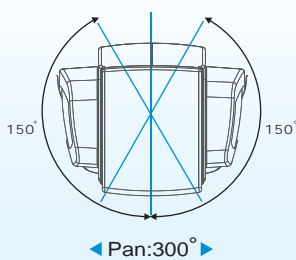
10x Zoom · Dual Streams · PoE

VIVOTEK PZ7111(PoE)/7112(WLAN) is a high-performance network camera featuring 10x optical zoom and pan/tilt functionality. The camera is designed for indoor surveillance applications such as retail stores, offices or banks. The built-in 10x motorized optical zoom module provides greater depth of field when zoomed in. Therefore, it can display clear-cut images on near or distant objects. With flexible 300-degree pan and 135-degree tilt, PZ7111/7112 can give users more comprehensive control over the monitored site. PZ7111/7112 is incorporated with VIVOTEK's self-developed Bach SoC, giving users the advantages of dual-codec (MPEG-4 and MJPEG), dual streams and two-way audio by SIP protocol. With support of dual streams, it simultaneously delivers dual video streams with different resolutions, frame size and image quality to different platforms such as web browser or 3G cell phones. In addition, PZ7111 is integrated with Power over Ethernet function while PZ7112 with wireless connection, making installation easier and more cost-efficient. The free-bundled, multi-lingual 16-channel recording software helps users to set up an easy-to-use IP surveillance system.

Features

- 10x Optical Zoom Lens
- Motorized Pan/Tilt (Pan: -150° ~ +150°; Tilt: -45° ~ +90°)
- 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 (PZ7111)
- Built-in 802.11b/g WLAN (PZ7112)
- HTTPS Encrypted Data Transmission
- Digital I/O for External Sensor and Alarm

System Overview



Specifications

Models

- PZ7111 NTSC CCD (PoE)
- PZ7121 PAL CCD (PoE)
- PZ7112 NTSC CCD (WLAN)
- PZ7122 PAL CCD (WLAN)

System

- CPU: Bach SoC
- Flash: 8MB
- RAM: 64MB
- Embedded OS: Linux 2.6

Pan/Tilt/Zoom

- Pan range: 300° (-150° ~ +150°)
- Tilt range: 135° (-45° ~ +90°)
- 10x optical zoom, 10x digital zoom
- Auto pan mode
- Auto patrol mode

Lens

- 10x optical zoom lens, f = 4.2 ~ 42 mm, F1.8 ~ 2.9, auto iris, auto focus

Shutter Time

- 1/60 sec. to 1/10000 sec. (PZ7111/PZ7112)
- 1/50 sec. to 1/10000 sec. (PZ7121/PZ7122)

Angle of view

- 4.9° ~ 46° (horizontal)
- 3.6° ~ 35° (vertical)

Image Sensor

- 1/4" CCD sensor

Minimum Illumination

- 1.5 Lux/F1.8 (typical)
- 0.05 Lux/F1.8 (low light mode)

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:
 - PZ7111/12 704x480 up to 30 fps
 - PZ7121/22 704x576 up to 25 fps

Image settings

- Adjustable image size, quality, and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable brightness, contrast, saturation, sharpness and white balance
- ATW, AWB, AES, ALC
- 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, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE and HTTPS
- Built-in 802.11b/g WLAN (PZ7112/PZ7122)

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
- HTTPS encrypted data transmission
- Wireless: WEP, WPA-PSK, WPA2 (PZ7112/PZ7122)

Users

- Camera live viewing for up to 10 clients

Dimension

- 105 mm (D) x 105 mm (W) x 125 mm (H)

Weight

- Net: 391 g (PZ7111/PZ7121)
- Net: 408 g (PZ7112/PZ7122)

LED Indicator

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

Power

- 12V DC
- Consumption
 - PZ7111/7121: Max. 12 W
 - PZ7112/7122: Max. 13 W
- 802.3af compliant Power over Ethernet (PZ7111/PZ7121)

Approvals

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

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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