

# PZ7131/7132

## Pan/Tilt/Zoom Network Camera

**Indoor • 2.6x Zoom • Dual Streams**



VIVOTEK PZ7131 (PoE) / 7132 (WLAN), equipped with a pan-focus 2.6x optical zoom lens, is a cost-effective pan/tilt/zoom network camera for indoor surveillance applications such as retail stores. It integrates a 2.6x motorized pan-focus zoom module, which can easily zoom in and out to view 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.

With self-developed VIVOTEK VVTK-1000 SoC, the camera can simultaneously deliver dual video streams for real-time monitoring in either MJPEG or MPEG-4 format with different resolution. PZ7131 supports built-in IEEE 802.3af-compliant PoE (Power over Ethernet) and PZ7132 supports 802.11g wireless LAN connection, making installation easier and more cost-efficient. It comes with the free-bundled, multi-lingual 16-channel recording software, which helps users to set up a powerful surveillance system.

## Features

- > 1/4" CMOS Sensor in VGA Resolution
- > 2.6x Pan-focus Zoom Lens
- > Motorized Wide-range Pan/Tilt (Pan: -175° ~ +175°; Tilt: -35° ~ +90°)
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Supports Dual Streams Simultaneously
- > 3GPP Mobile Surveillance
- > Two-way Audio via SIP Protocol
- > Built-in/External Microphone Switch
- > Built-in 802.3af Compliant PoE (PZ7131)
- > Built-in 802.11b/g WLAN (PZ7132)
- > Digital I/O for External Sensor and Alarm

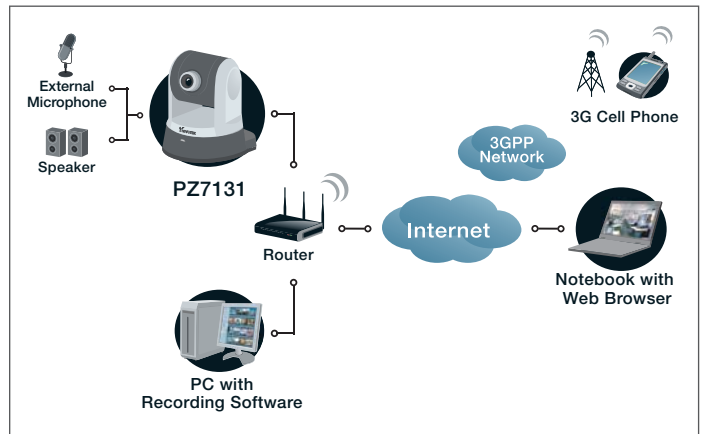
# Specifications

P/N: 011002100 Ver.1.0

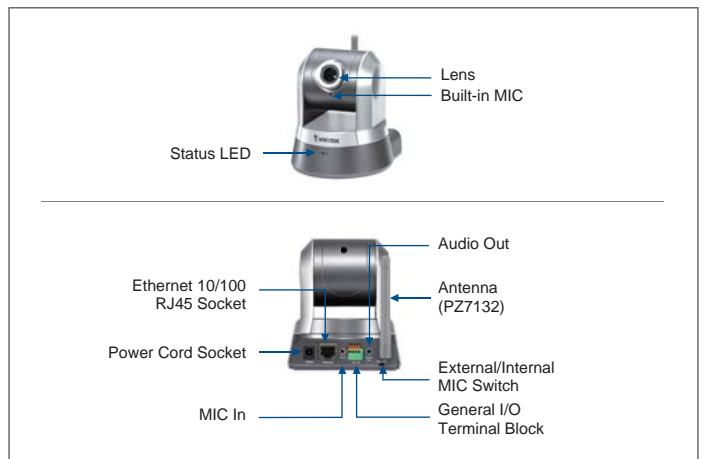
<b>Models</b>	<ul style="list-style-type: none"> <li>· PZ7131 (PoE)</li> <li>· PZ7132 (WLAN)</li> </ul>
<b>System</b>	<ul style="list-style-type: none"> <li>· CPU: VVTK-1000 SoC</li> <li>· Flash: 8MB</li> <li>· RAM: 64MB</li> <li>· Embedded OS: Linux 2.4</li> </ul>
<b>Pan/Tilt/Zoom</b>	<ul style="list-style-type: none"> <li>· Pan range: 350° (-175° ~ +175° )</li> <li>· Tilt range: 125° (-35° ~ +90° )</li> <li>· 2.6x optical zoom</li> <li>· Auto pan mode</li> <li>· Auto patrol mode</li> </ul>
<b>Lens</b>	<ul style="list-style-type: none"> <li>· Board lens, 2.6x optical zoom, f=2.8 ~ 7.3 mm, F1.9, auto-iris, focus range: 0.75 mm to infinity</li> </ul>
<b>Angle of View</b>	<ul style="list-style-type: none"> <li>· 28.7° ~ 73.4° (horizontal)</li> <li>· 21.6° ~ 54.7° (vertical)</li> <li>· 35.8° ~ 92.2° (diagonal)</li> </ul>
<b>Shutter Time</b>	<ul style="list-style-type: none"> <li>· 1/5 sec. to 1/15,000 sec.</li> </ul>
<b>Image sensor</b>	<ul style="list-style-type: none"> <li>· 1/4" CMOS sensor in VGA resolution</li> </ul>
<b>Minimum Illumination</b>	<ul style="list-style-type: none"> <li>· 1.25 Lux / F1.9</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>· Compression: MJPEG &amp; MPEG-4</li> <li>· Streaming: <ul style="list-style-type: none"> <li>· Simultaneous dual-streaming</li> <li>· MPEG-4 streaming over UDP, TCP, HTTP, or HTTPS</li> <li>· MPEG-4 multicast streaming</li> <li>· MJPEG streaming over HTTP or HTTPS</li> </ul> </li> <li>· Supports 3GPP mobile surveillance</li> <li>· Frame rates: <ul style="list-style-type: none"> <li>· MPEEG-4: Up to 30/25 fps at 640x480</li> <li>· MJPEG: Up to 30/25 fps at 640x480</li> </ul> </li> </ul>
<b>Image Settings</b>	<ul style="list-style-type: none"> <li>· Adjustable image size, quality, and bit rate</li> <li>· Time stamp and text caption overlay</li> <li>· Flip &amp; mirror</li> <li>· Configurable brightness, saturation contrast, sharpness and white balance</li> <li>· AGC, AES</li> <li>· Backlight Compensation (BLC)</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>· Compression: <ul style="list-style-type: none"> <li>· GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps</li> <li>· MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps</li> </ul> </li> <li>· Interface: <ul style="list-style-type: none"> <li>· Built-in microphone</li> <li>· External microphone input</li> <li>· External audio output</li> <li>· External/Internal microphone switch</li> </ul> </li> <li>· Supports two-way audio via SIP protocol</li> <li>· Supports audio mute</li> </ul>
<b>Networking</b>	<ul style="list-style-type: none"> <li>· 10/100 Mbps Ethernet, RJ-45</li> <li>· Protocols: IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/ RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, and PPPoE</li> <li>· Built-in 802.11b/g WLAN (PZ7132)</li> </ul>
<b>Alarm and Event Management</b>	<ul style="list-style-type: none"> <li>· Triple-window video for motion detection</li> <li>· One D/I and one D/O for external sensor and alarm</li> <li>· Event notification using HTTP, SMTP, or FTP</li> <li>· Local recording of MP4 file</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>· Multi-level user access with password protection</li> <li>· IP address filtering</li> <li>· HTTPS encrypted data transmission</li> <li>· Wireless: WEP, WPA-PSK, WPA2 (PZ7132)</li> </ul>
<b>Users</b>	<ul style="list-style-type: none"> <li>· Camera live viewing for up to 10 clients</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>· Ø 105 mm x 118 mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>· Net: 352 g (PZ7131)</li> <li>· Net: 371 g (PZ7132)</li> </ul>
<b>LED Indicator</b>	<ul style="list-style-type: none"> <li>· System power and status indicator</li> <li>· System activity and network link indicator</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>· 12V DC</li> <li>· Power consumption: Max. 12 W</li> <li>· 802.3af compliant Power-over-Ethernet (PZ7131)</li> </ul>

<b>Approvals</b>	<ul style="list-style-type: none"> <li>· CE, LVD, FCC, VCCI, C-Tick</li> </ul>
<b>Operating Environments</b>	<ul style="list-style-type: none"> <li>· Temperature: 0 ~ 50 °C (32 ~ 122 °F)</li> <li>· Humidity: 20% ~ 80% RH</li> </ul>
<b>Viewing System Requirements</b>	<ul style="list-style-type: none"> <li>· OS: Microsoft Windows 2000/XP/Vista</li> <li>· Browser: Internet Explorer 6.x or above</li> <li>· Cellphone: 3GPP player</li> <li>· Real Player: 10.5 or above</li> <li>· Quick Time: 6.5 or above</li> </ul>
<b>Installation, Management, and Maintenance</b>	<ul style="list-style-type: none"> <li>· Installation Wizard 2</li> <li>· 32-CH recording software</li> <li>· Supports firmware upgrade</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>· SDK available for application development and system integration</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>· 24 months</li> </ul>

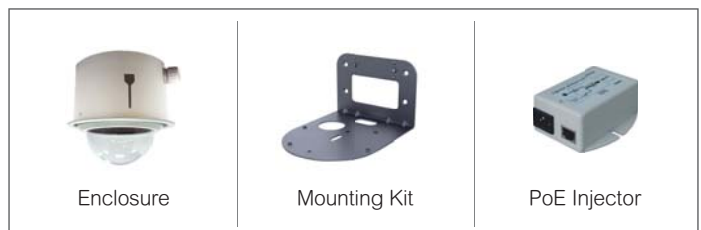
## System Overview



## External View



## Accessories



All specifications are subject to change without notice. Copyright©2009 VIVOTEK INC. All rights reserved.

Distributed by:



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