



# FD7131

Fixed Dome Network Camera

**Indoor • 3-axis • PoE • PIR**

VIVOTEK's FD7131 is a full-featured 3-axis fixed dome network camera designed for indoor surveillance. It comes with a wide-angle, vari-focal lens, allowing a wide open view for maximum coverage. With the sophisticated 3-axis mechanical and industrial design, it offers very flexible and simple hardware installation for either ceiling or wall mounting. To prevent false alarms, it is also equipped with a PIR (Passive Infrared) sensor, which can detect motion caused by temperature changes in the infrared range emitted by surrounding objects.

When the environment lacks a sufficient light source, the built-in white-light illuminators will be activated automatically (or manually) so as to provide additional lighting without the need for additional equipment. Embedded with VIVOTEK's VVTK-1000 SoC, the camera simultaneously delivers dual streams with different resolutions - up to 30fps VGA- and video qualities on separate multimedia devices for real-time viewing. Additionally, by offering advanced features such as 3GPP mobile surveillance, built-in 802.3af compliant PoE, two-way audio, and many more, the FD7131 allows users to build a powerful, cost-effective IP surveillance system for various indoor applications with ease.

## Features

- > Wide Angle Vari-focal Lens
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Dual Streams Simultaneously
- > 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- > Built-in PIR Sensor for Human Detection
- > Built-in White-light Illuminators
- > 3GPP Mobile Surveillance
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Digital I/O for External Sensor and Alarm
- > HTTPS Encrypted Data Transmission

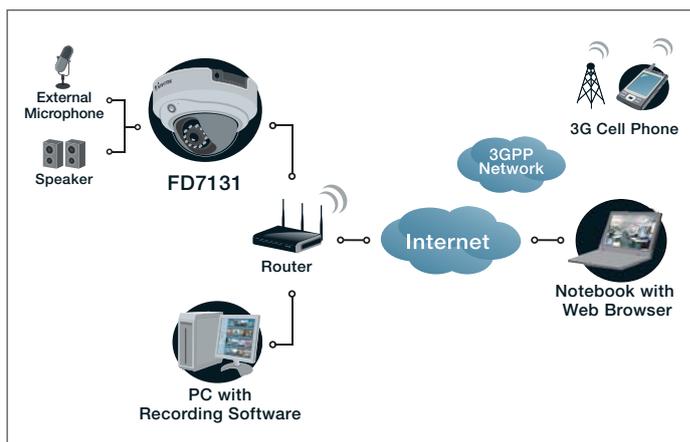
# Specifications

PIN: 011000302 Ver 1.2

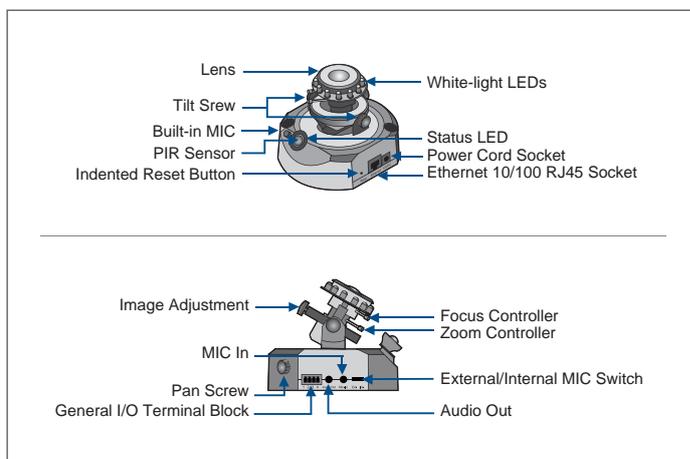
<b>System</b>	<ul style="list-style-type: none"> <li>CPU: VVTK-1000 SoC</li> <li>Flash: 8MB</li> <li>RAM: 64MB</li> <li>Embedded OS: Linux 2.4</li> </ul>
<b>Lens</b>	<ul style="list-style-type: none"> <li>Board lens, vari-focal, f = 2 ~ 4 mm, F1.4 (wide), F1.8 (tele), focus range: 50 cm to infinity</li> </ul>
<b>Angle of View</b>	<ul style="list-style-type: none"> <li>53.2° ~ 105.1° (horizontal)</li> <li>39.8° ~ 77.4° (vertical)</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>1.5 Lux / F1.4</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 streams</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>MPEG-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, contrast, saturation, sharpness and white balance</li> <li>AGC, AWB, AES</li> <li>Supports privacy masks</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>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> </ul>
<b>Alarm and Event Management</b>	<ul style="list-style-type: none"> <li>Triple-window video motion detection</li> <li>One D/I and one D/O for external sensor and alarm</li> <li>PIR (Passive Infrared Sensor) for human detection</li> <li>White-light illuminators for low light condition when event triggered</li> <li>Event notification using HTTP, SMTP or FTP</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> </ul>
<b>Users</b>	<ul style="list-style-type: none"> <li>Live viewing for up to 10 clients</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>Ø 143 mm x 106 mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>Net: 575.5 g</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. 3.6 W</li> <li>802.3af compliant Power-over-Ethernet</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: Mozilla Firefox, Internet Explorer 6.x or above</li> <li>Cell phone: 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>3-axis mechanism for flexible ceiling and wall mount installation</li> <li>Installation Wizard 2</li> <li>16-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>

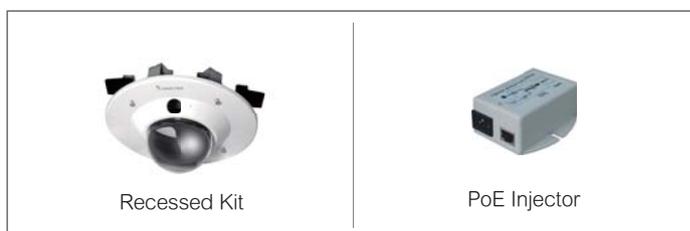
## System Overview



## External View



## Accessories



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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