



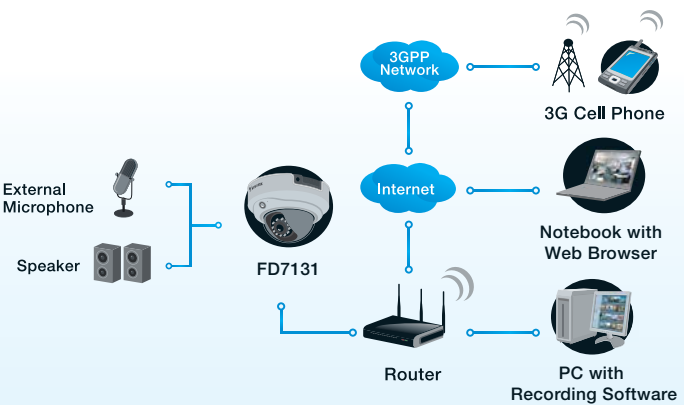
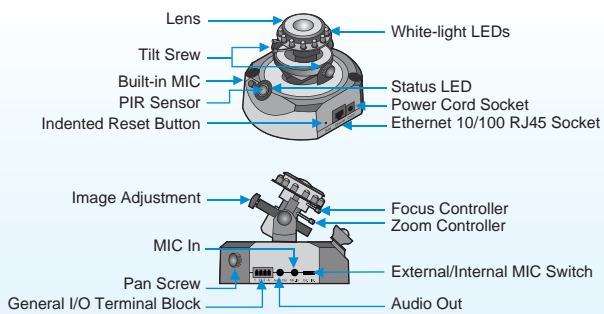
FD7131 Fixed Dome Network Camera *Indoor · 3-axis · PoE · PIR*

VIVOTEK FD7131 is a full-featured 3-axis dome network camera designed for indoor surveillance. It comes with a wide-angle, vari-focal lens, allowing you to have a wide open view for maximum coverage. With the sophisticated 3-axis mechanical and industrial design, it offers a very flexible, easy hardware installation for either ceiling or wall mount. To prevent false alarms, it is also equipped with a PIR (Passive Infrared) sensor, which can detect motion causing temperature changes in the infrared range emitted by surrounding objects. When the environment is short of sufficient light source, the built-in white-light illuminators will be activated automatically or manually so as to supplement the low light situation without additional equipment. Embedded with VIVOTEK VVTK-1000 SoC, it simultaneously delivers dual streams with different resolutions up to 30fps in VGA resolution and video qualities upon different multimedia devices for real-time viewing. Additionally, by offering more advanced features such as 3GPP mobile surveillance, built-in 802.3af compliant PoE, two-way audio, and so on, FD7131 allows users to build up a powerful, cost-effective IP surveillance system for various indoor applications with ease.

Features

- 3-axis Mechanical Design to Adjust Lens Position for Ceiling and Wall Mount Installation
- Wide Angle Vari-focal Board Lens
- Built-in PIR Sensor for Human Detection
- Built-in White-light Illuminators
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Supports Dual Streams Simultaneously
- 3GPP Mobile Surveillance
- Built-in 802.3af Compliant PoE (Power over Ethernet)
- Supports Two-way Audio by SIP Protocol
- Digital I/O for External Sensor and Alarm

System Overview



Specifications

System

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

Lens

- Vari-focal board lens, $f=2\text{ mm}\sim 4\text{ mm}$, $F1.4\sim 1.8$, focus range: 50 cm to infinity

Angle of view

- $53.2^\circ \sim 105.1^\circ$ (horizontal)
- $39.8^\circ \sim 77.4^\circ$ (vertical)

Shutter Time

- 1/5 sec. to 1/15000 sec.

Image Sensor

- MICRON 1/4" CMOS sensor in VGA resolution

Minimum Illumination

- 1.5 Lux/F1.4

Video

- Compression: MJPEG & MPEG-4
- Streaming:
 - Simultaneous dual-stream
 - 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, sharpness, and white balance
- AGC, AWB, AES
- 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

Alarm and Event Management

- Triple-window video motion detection
- One D/I and one D/O for external sensor and alarm
- Passive infrared sensor (PIR) for human detection
- White-light illuminators for low light condition when event triggered
- Event notification using HTTP, SMTP, or FTP

Security

- Multi-level user access with password protection
- IP address filtering

Users

- Camera live viewing for up to 10 clients

Dimension

- 143 mm (D) x 106 mm (H)

Weight

- Net: 575.5 g

LED Indicator

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

Power

- 12V DC
- Consumption: Max 3.6 W
- 802.3af compliant Power over Ethernet

Approvals

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

Operating Environments

- Temperature: $0^\circ \sim 50^\circ\text{ C}$ ($32^\circ \sim 122^\circ\text{ F}$)
- Humidity: 20 % ~ 80 % RH

Viewing System Requirements

- OS: Microsoft Windows 2000/XP/Vista
- Browser: Internet Explorer 6.x or above
- Cell phone: 3GPP player
- Real Player: 10.5 or above
- Quick Time: 6.5 or above

Installation, Management, and Maintenance

- 3-axis mechanism for flexible ceiling and wall mount installation
- Installation Wizard 2
- 16-CH recording software
- Supports firmware upgrade

Applications

- SDK available for application development and system integration

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