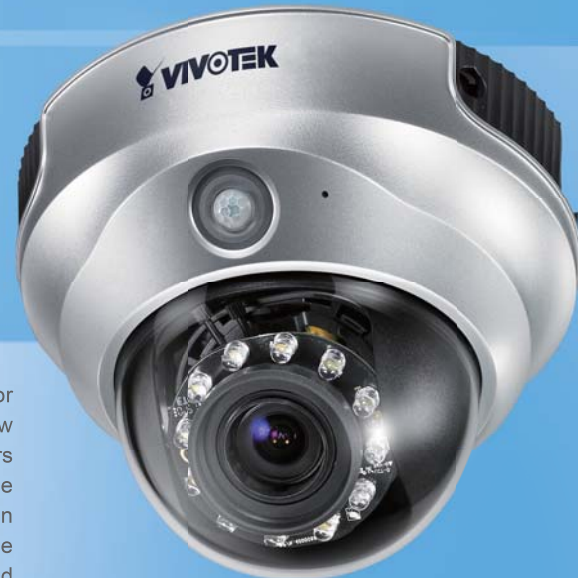# VIVOTEK

Indoor 3-Axis Fixed Dome
Network Camera

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 quality 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.
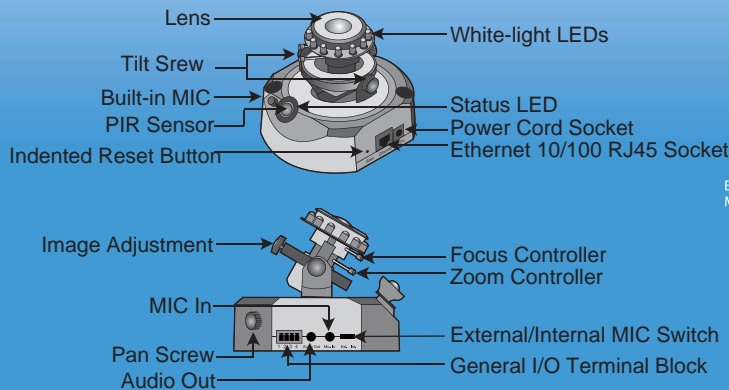
FD7131

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 (MJPEG/MPEG-4 up to 30fps in VGA Resolution)
- Supports 3GPP Mobile Surveillance
- Built-in 802.3af Compliant PoE (Power over Ethernet)
- Supports Two-way Audio by SIP Protocol
- Free-bundled 16-CH Recording Software

Indoor 3-Axis Fixed Dome Network Camera

Physical Descriptions

Lens
Tilt Srew
Built-in MIC
PIR Sensor
Indented Reset Button

White-light LEDs
Status LED
Power Cord Socket
Ethernet 10/100 RJ45 Socket

Image Adjustment
MIC In
Pan Screw
Audio Out

Focus Controller
Zoom Controller
External/Internal MIC Switch
General I/O Terminal Block

3GPP Network
3GPP Cell phone
Internet
Speaker
External Microphone
Laptop PC
Router
Desktop PC
Indoor 3-Axis Network Camera

⊞ Technical Specifications

System	· CPU: VVTK-1000 SoC · Flash: 8MB · RAM: 64MB · Embedded OS: Linux 2.4
Lens	· Vari-focal board lens, f=2mm~4mm, F1.4~1.8, focus range: 50cm to infinity
Angle of view	· 105.1 ° ~ 53.2 ° (horizontal) · 77.4 ° ~ 39.8 ° (vertical)
Shutter Time	· 1/5 sec. to 1/15000 sec.
Image Sensor	· MICRON 1/4" CMOS sensor with 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	· Triple-level user access with password protection · IP address filtering
Users	· Camera live viewing for up to 10 clients
Dimension (including lens)	· 143mm (D) x 106mm (H)
Weight (including lens)	· Net: 575.5g
LED Indicator	· System power and status indicator · System activity and network link indicator
Power	· 12V DC · Consumption: Max 3.6W · 802.3af compliant Power over Ethernet
Approvals	· CE, FCC, VCCI, C-Tick, 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 · 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

All specifications are subject to change without notice.
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