



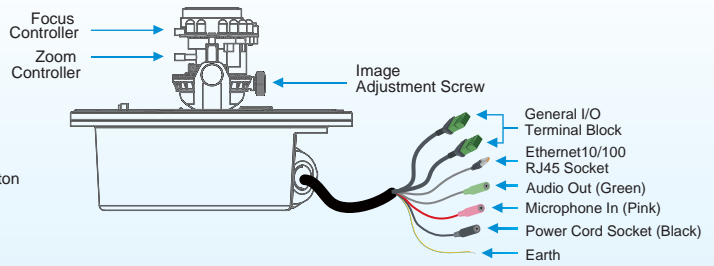
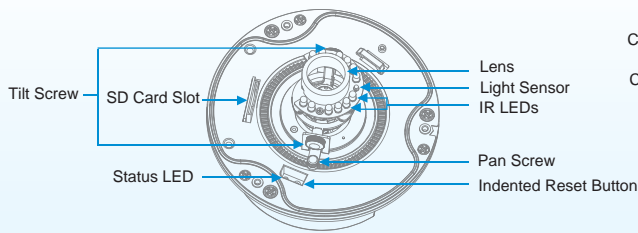
FD7141 Fixed Dome Network Camera **Outdoor · Vandal-proof · WDR**

VIVOTEK FD7141 is a professional vandal- and weather-proof fixed dome network camera, integrating all elements needed for outdoor security into a discreet, compact package. FD7141 is not only able to be shielded from dust and water with the IP-66 rated housing, but also fitted in high-risk environment by the structure of vandal resistant. With the built-in heater and fan, it operates in any harsh temperature conditions, demanded by many of today's installations. Boasting a Wide Dynamic Range CMOS sensor, FD7141 can cope with any challenging lighting conditions and generate image quality closer to the capabilities of the human eye. FD7141 delivers true day and night functionality with a removable IR-cut filter and built-in IR illuminators. The 3-axis rotation design makes the installation of FD7141 become so flexible for both of wall/ceiling mount options and wide lens angle adjustment. With patent-pending Time-shift Streaming function, users can directly access the camera to view pre- and post-event video when an event happens rather than extract the clips from the recorded video database. FD7141 also incorporates numbers of advanced features including simultaneous dual streams, 802.3af compliant PoE, two-way audio by SIP protocol, built-in SD card slot, drop-ceiling mount, and HTTPS encrypted data transmission for a robust outdoor security solution.

Features

- Wide Dynamic Range CMOS Sensor
- 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- 3.3 ~ 12 mm Vari-focal Board Lens with Auto-iris
- Built-in IR Illuminators up to 15 Meters
- Removable IR-cut Filter for Day & Night Function
- IP66-rated Housing for Weather-proof
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Supports Dual Streams Simultaneously
- Supports Time-shift Streaming for Event Recording
- Built-in 802.3af Compliant PoE (Power over Ethernet)
- Two-way Audio by SIP Protocol
- Built-in SD Card Slot for Local Storage

System Overview



Specifications

System

- CPU: Bach SoC
- Flash: 8 MB
- RAM: 96 MB
- Embedded OS: Linux 2.6

Lens

- Board lens, vari-focal, $f = 3.3 \sim 12$ mm, F1.4 (wide), F2.9 (tele), auto-iris, focus range: 50 cm to infinity
- Removable IR-cut filter for day & night function

Angle of view

- $23^\circ \sim 85.2^\circ$ (horizontal)
- $4.8^\circ \sim 51.6^\circ$ (vertical)

Shutter Time

- 1/30 sec. to 1/15000 sec.

Image Sensor

- 1/3.3" Wide Dynamic Range CMOS sensor

Minimum Illumination

- 0 Lux with IR Illuminators

Video

- Compression: MJPEG & MPEG-4
- Streaming:
 - Simultaneous dual-stream
 - Time-shift Streaming
 - MPEG-4 streaming over UDP, TCP, or HTTP
 - MPEG-4 multicast streaming
 - MJPEG streaming over HTTP
- Supports 3GPP mobile surveillance
- Frame rates:
 - MPEG-4: 720x480 up to 25 fps
 - 360x240 up to 30/25 fps
 - MJPEG: 720x480 up to 30/25 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
- AGC, AWB, AEC
- Automatic or manual day/night mode
- 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:
 - 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, PPPoE, and HTTPS

Alarm and Event Management

- Triple-window video motion detection
- One D/I and one D/O for external sensor and alarm
- IR illuminators up to 15 meters
- Event notification using HTTP, SMTP, or FTP
- Local recording of MP4 file

Local Storage

- SD card slot
- Stores snapshots and video clips

Security

- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission

Users

- Camera live viewing for up to 10 clients

Dimension

- 170 mm (D) x 133 mm (H)

Weight

- Net: 1700 g

LED Indicator

- System restore status indicator

Power

- 12V DC
- 24V AC
- Consumption: Max. 7.5 W
- Max. 10 W (with heater)
- 802.3af compliant Power over Ethernet

Housing

- Metal base and polycarbonate transparent cover
- Vandal-proof: 1000 kg
- IP66-rated housing for weather-proof

Approvals

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

Operating Environments

- Temperature: $-20^\circ \sim 60^\circ$ C ($-4^\circ \sim 140^\circ$ F)
- Humidity: 20 % ~ 95 % 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

- 3-axis mechanism for flexible ceiling and wall mount installation
- Drop-ceiling 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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