System
- CPU: Bach SoC
- Flash: 8MB
- RAM: 64MB+32MB
- Embedded OS: Linux 2.6

Lens
- Board lens, vari-focal, f = 3.3 ~ 12 mm, F1.4 (wide), F2.9 (tele), focus range: 50 cm to infinity (FD7141)
- Board lens, vari-focal, f = 9 ~ 22 mm, F1.4 (wide), F1.6 (tele), focus range: 100 cm to infinity (FD7141V)
- Removable IR-cut filter for day & night function

Angle of View
- 23.9° ~ 89.8° (horizontal) (FD7141)
- 13.1° ~ 32.1° (horizontal) (FD7141V)
- 17.9° ~ 63.6° (vertical) (FD7141)
- 9.8° ~ 23.3° (vertical) (FD7141V)

Shutter Time
- 1/5 sec. to 1/15,000 sec.

Image Sensor
- 1/3.3" Wide Dynamic Range CMOS sensor in 720x480 resolution

Minimum Illumination
- 0.5 Lux / F1.4 (FD7141)
- 0.4 Lux / F1.4 (FD7141V)
- 0 Lux / F1.4 (IR LED on)

IR Illuminators
- Built-in IR illuminators, effective up to 15 meters

Video
- Compression: MJPEG & MPEG-4
- Streaming:
  Simultaneous dual streams
  MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
  MPEG-4 multicast streaming
  MJPEG streaming over HTTP or HTTPS
- Supports 3GPP mobile surveillance
- Frame rates:
  MPEG-4: Up to 30/25 fps at 720x480
  Up to 30/25 fps at 360x240
  MJPEG: Up to 30/25 fps at 720x480

Image Settings
- Adjustable image size, quality and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable brightness, contrast, saturation, sharpness, white balance and exposure
- AGC, AWB, AES
- WDR (Wide Dynamic Range)
- Automatic, manual or scheduled 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 via SIP protocol
- Supports audio mute

Networking
- 10/100 Mbps Ethernet, RJ-45
- Protocols: IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS and PPPoE

Alarm and Event Management
- Triple-window video motion detection
- Tamper detection
- One D/I and one D/O for external sensor and alarm
- Event notification using HTTP, SMTP or FTP
- Local recording of MP4 file

On-board Storage
- SD/SDHC card slot
- Stores snapshots and video clips
  Note: No SD/SDHC card slot & local storage function for Argentina.

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

Users
- Live viewing for up to 10 clients

Dimension
- Ø 170 mm x 133 mm

Weight
- Net: 2,164 g

LED Indicator
- System restore status indicator

Power
- 12V DC
- 24V AC
- Power 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: 1,000 kg
- Weather-proof IP66-rated housing

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

Operating Environments
- Temperature: -20 ~ 60 °C (-4 ~ 140 °F)
- Humidity: 20% ~ 95% RH

Viewing System Requirements
- OS: Microsoft Windows 2000/XP/Vista
- Browser: Mozilla Firefox, 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
- Drop-ceiling mount installation
- Installation Wizard 2
- 32-CH recording software
- Supports firmware upgrade

Applications
- SDK available for application development and system integration

Warranty
- 24 months

Fixed Dome Network Camera

FD7141

Outdoor · WDR · Vandal-proof

VIVOTEK FD7141 is a professional-grade vandal and weather-proof fixed dome network camera integrating the latest features required for outdoor surveillance into a discreet, compact package. The FD7141's IP66 rating ensures protection from water and dust and its vandal-proof design provides additional protection in high risk environments. With the built-in heater and fan, the FD7141 can also operate in an extended temperature range required by many of today's demanding installations.

Boasting a Wide Dynamic Range CMOS sensor, the FD7141 can cope with challenging lighting conditions and provide image quality superior to other products in its class. The camera delivers true day and night functionality with a removable IR-cut filter and built-in IR illuminators. Installation is also suited for both wall and ceiling with the unique 3-axis rotation design.

The FD7141 supports tamper detection, which detects video loss from events such as blockage or spray-painting. Also incorporated are advanced features including simultaneous dual streams, 802.3af compliant PoE, two-way audio via SIP protocol, built-in SD/SDHC card slot*, drop-ceiling mount, and HTTPS encrypted data transmission for a robust outdoor security solution.

* No SD/SDHC card slot & local storage function for Argentina.

VIVOTEK
BUILT WITH RELIABILITY

The Complete Smart Surveillance Solution

Adapted for High-contrast Lighting Conditions

The FD7141 offers WDR (Wide Dynamic Range) functionality that delivers identifiable images in high-contrast environments such as backlight, glare, and light reflection. By capturing and combining information from the darkest and brightest areas, the FD7141 generates images that accurately reproduce fine details that appear in the actual scene.

WDR   Regular

Maximum Protection against Natural Threats

The FD7141's weather-proof IP66-rated housing provides protection from extreme weather conditions, dust, and moisture.

Weather-proof

Intelligent Tamper Detection

Tamper detection prevents the interruption of monitoring and recording due to camera tampering events such as blockage and spray-painting. By detecting scene changes caused by camera tampering, the FD7141 is an invaluable solution for vandalism-prone areas such as train stations or prisons.

Alarm   Alarm
Blockage   Spray-painting

Rugged Design for High Risk Areas

Equipped with a protective housing, the FD7141 provides protection against vandalism, making it suitable for high-risk environments. The metal base and polycarbonate cover enable the FD7141 to withstand an impact of up to 1,000 kg and tamper proof screws are provided to prevent dismantling.

Vandal-proof housing

Clear Images 24/7

The FD7141 delivers true day & night functionality with a built-in removable IR-cut filter and IR illuminators. By day, the IR-cut filter screens out infrared light to reduce color distortion, and at night, the filter is removed and the IR illuminators are activated to enhance light sensitivity.

Day   Night

SD/SDHC Card

The FD7141 features an SD/SDHC card slot to provide short term and portable video storage on compatible memory cards.
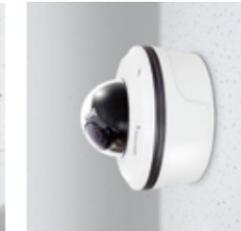
Heater & Fan, Supported by PoE

With a heater and fan incorporated in the housing, the FD7141 can operate in extreme temperatures ranging from -20 to 60 ° C and humidity from 20 to 95% RH.

Flexible Installation

Ceiling Mount
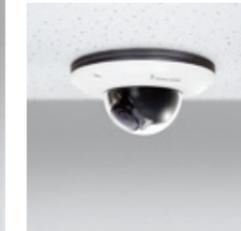
Wall Mount   Gooseneck Wall Mount   Pole Mount

Drop-Ceiling Mount   Pendant Mount   Corner Mount

Versatile Applications

Parking Lots   Schools   Airports   Banks   Loading Areas

Product Features

- Wide Dynamic Range CMOS Sensor
- 3.3 ~ 12 mm Vari-focal Lens (FD7141)
  9 ~ 22 mm Vari-focal Lens (FD7141V)
- Removable IR-cut Filter for Day and Night Function
- Built-in IR Illuminators, effective up to 15 Meters
- Real-time MPEG-4 and MJPEG Compression (Dual codec)
- Simultaneous Dual Streams
- 3-axis Mechanical Design for Ceiling and Wall Mount Installation
- Vandal-proof and Weather-proof IP66-rated Housing
- Tamper Detection for Unauthorized Changes
- Built-in 802.3af Compliant PoE
- Two-way Audio via SIP Protocol
- Built-in SD/SDHC Card Slot for On-board Storage*
- Built-in Heater and Fan, supported by PoE

* No SD/SDHC card slot & local storage function for Argentina.

VIVOTEK