



System <ul style="list-style-type: none"> CPU: Bach SoC Flash: 8 MB RAM: 96 MB Embedded OS: Linux 2.6 	Alarm and Event Management <ul style="list-style-type: none"> Triple-window video motion detection Tampering 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
Lens <ul style="list-style-type: none"> Board lens, vari-focal, f = 3.3 ~ 12 mm, F1.4 (wide), F2.9 (tele), auto-iris, focus range: 50 cm to infinity Removable IR-cut filter for day & night function 	Local Storage <ul style="list-style-type: none"> SD card slot Stores snapshots and video clips
Angle of view <ul style="list-style-type: none"> 23° ~ 85.2° (horizontal) 4.8° ~ 51.6° (vertical) 	Security <ul style="list-style-type: none"> Multi-level user access with password protection IP address filtering HTTPS encrypted data transmission
Shutter Time <ul style="list-style-type: none"> 1/30 sec. to 1/15000 sec. 	Users <ul style="list-style-type: none"> Camera live viewing for up to 10 clients
Image Sensor <ul style="list-style-type: none"> 1/3.3" Wide Dynamic Range CMOS sensor 	Dimension <ul style="list-style-type: none"> 170 mm (D) x 133 mm (H)
Minimum Illumination <ul style="list-style-type: none"> 0.68 Lux / F1.4 	Weight <ul style="list-style-type: none"> Net: 1700 g
Video <ul style="list-style-type: none"> Compression: MJPEG & MPEG-4 Streaming: <ul style="list-style-type: none"> Simultaneous dual-stream 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: <ul style="list-style-type: none"> MPEG-4: 720x480 up to 25 fps 360x240 up to 30/25 fps MJPEG: 720x480 up to 30/25 fps 	LED Indicator <ul style="list-style-type: none"> System restore status indicator
Image settings <ul style="list-style-type: none"> 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, AEC Automatic, manual or scheduled day/night mode Supports privacy masks 	Power <ul style="list-style-type: none"> 12V DC 24V AC Consumption: Max. 7.5 W Max. 10 W (with heater) 802.3af compliant Power over Ethernet
Audio <ul style="list-style-type: none"> Compression: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> External microphone input Audio output Supports two-way audio by SIP protocol Supports audio mute 	Housing <ul style="list-style-type: none"> Metal base and polycarbonate transparent cover Vandal-proof: 1000 kg IP66-rated housing for weather-proof
Networking <ul style="list-style-type: none"> 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 	Approvals <ul style="list-style-type: none"> CE, LVD, FCC, VCCI, C-Tick
	Operating Environments <ul style="list-style-type: none"> Temperature: -20 ~ 60 °C (-4 ~ 140 °F) Humidity: 20 % ~ 95% RH
	Viewing System Requirements <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> SDK available for application development and system integration
	Warranty <ul style="list-style-type: none"> 24 months

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Outdoor · WDR · Tampering Detection

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

Boasting a Wide Dynamic Range CMOS sensor, FD7141 can cope with challenging lighting conditions and provide image quality superior to other products in its class. 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 suitable for both wall and ceiling mount options.

FD7141 supports tampering detection, which will detect video loss from events such as blocking or spray-painting. FD7141 also incorporates 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.



A Consolidated and Smart Surveillance Solution

Adapted to High-contrast Lighting Conditions

FD7141 boasts WDR (Wide Dynamic Range) function 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 parts, FD7141 can generate realistic images as the original scene.



WDR



Regular

Maximized Protection against Natural Threats

FD7141 comes with an IP66-rated weather-proof housing that protects it from weather damage. The camera can be totally protected against dust and endure low pressure jets of water.



Intelligent Detection for Constant Surveillance

FD7141 offers tampering detection, which prevents interruption of monitoring and recording due to camera tampering such as blocking and spray-painting. By detecting changes in a scene caused by camera tampering, FD7141 can fit in vandalism-prone areas such as transportation stations or prisons.



Blocked



Spray-painted

Rugged Design for High Vandalism Areas

Equipped with a vandal-proof housing, FD7141 can resist vandalism and operate in high-risk environments. The metal base and polycarbonate cover enables FD7141 to withdraw impact force up to 1,000 kg. It also employs special screws to increase difficulty in dismantling.



Uncompromised Image Quality during Day and Night

FD7141 delivers true day & night function 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 IR illuminators activated to enhance light sensitivity, so FD7141 can deliver image quality in the nighttime equivalent to the daytime.



Day



Night



Valued-added Features

SD Card

FD7141 features a SD card slot to allow for local storage of video streams in a SD card for temporarily recording or portable usage.



Fan & heater

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



Flexible Installation



Wall Mount



Ceiling Mount



Drop-Ceiling Mount



Gooseneck Wall Mount



Pendant Mount

Versatile Applications



Parking Lots



Schools



Airports



Banking



Loading Areas

Product Features

- Wide Dynamic Range CMOS Sensor
- 3-axis Mechanical Design for Ceiling and 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

