

Technical Specifications

System <ul style="list-style-type: none">CPU: TI DM365 SoCFlash: 128MBRAM: 256MBEmbedded OS: Linux 2.6	On-board Storage <ul style="list-style-type: none">SD/SDHC card slotStores snapshots and video clips
Lens <ul style="list-style-type: none">Board lens, Vari-focal, f = 3 ~ 9 mm, F1.2 (wide), F2.1 (tele), auto-irisRemovable IR-cut filter for day & night function	Security <ul style="list-style-type: none">Multi-level user access with password protectionIP address filteringHTTPS encrypted data transmission802.1X port-based authentication for network protection
Angle of View <ul style="list-style-type: none">31.7° ~ 93.0° (horizontal)23.8° ~ 68.4° (vertical)	Users <ul style="list-style-type: none">Live viewing for up to 10 clients
Shutter Time <ul style="list-style-type: none">1/5 sec. to 1/40,000 sec.	Dimension <ul style="list-style-type: none">Camera: Ø 170 mm x 133 mmCable length: 690 mmCable diameter: Ø 10 mm; Max Connector: Ø 18 mm
Image Sensor <ul style="list-style-type: none">1/3.2" CMOS sensor in 1600x1200 resolution	Weight <ul style="list-style-type: none">Net: 1907 g
Minimum Illumination <ul style="list-style-type: none">0 Lux / F1.2 (IR LED on)	LED Indicator <ul style="list-style-type: none">System restore status indicator
IR Illuminators <ul style="list-style-type: none">Built-in IR illuminators, effective up to 20 metersIR LED*18	Power <ul style="list-style-type: none">24V ACPower consumption: Max. 5.3W Max. 9.9W (with heater, fan, and IR illuminator)802.3af compliant Power-over-Ethernet (Class 3)
Video <ul style="list-style-type: none">Compression: H.264, MJPEG & MPEG-4Streaming:<ul style="list-style-type: none">Simultaneous multiple streamsH.264 streaming over UDP, TCP, HTTP, or HTTPSMPEG-4 streaming over UDP, TCP, HTTP, or HTTPSMPEG-4 multicast streamingMJPEG streaming over HTTP or HTTPSSupports activity adaptive streaming for dynamic frame rate controlSupports video cropping for bandwidth efficiencySupports ePTZ for data efficiencySupports 3GPP mobile surveillanceFrame rates:<ul style="list-style-type: none">H.264: up to 30 fps at 1280x720 up to 15 fps at 1600x1200MPEG-4: up to 30 fps at 1280x720 up to 15 fps at 1600x1200MJPEG: up to 30 fps at 1280x720 up to 15 fps at 1600x1200Interface:<ul style="list-style-type: none">BNC connector for video outputNTSC/PAL video output switch	Housing <ul style="list-style-type: none">Metal base and polycarbonate transparent coverVandal-proof: 1,000 kgWeather-proof IP66-rated housing
Image Settings <ul style="list-style-type: none">Adjustable image size, quality, and bit rateTime stamp and text caption overlayFlip & mirrorConfigurable brightness, contrast, saturation, sharpness, white balance, and exposureAGC, AWB, AESAutomatic, manual, or scheduled day/night modeBLC (Backlight Compensation)Supports privacy masks	Approvals <ul style="list-style-type: none">CE, LVD, FCC, VCCI, C-Tick
Networking <ul style="list-style-type: none">10/100 Mbps Ethernet, RJ-45ONVIF supportProtocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTMP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X	Operating Environments <ul style="list-style-type: none">Temperature: -30 ~ 50 °C (-22 ~ 122 °F)Humidity: 20 ~ 95% RH
Alarm and Event Management <ul style="list-style-type: none">Triple-window video motion detectionTamper detectionEvent notification using HTTP, SMTP, or FTPLocal recording of MP4 files	Viewing System Requirements <ul style="list-style-type: none">OS: Microsoft Windows 7/Vista/XP/2000Browser: Mozilla Firefox, Internet Explorer 6.x or aboveCell phone: 3GPP playerReal Player: 10.5 or aboveQuick Time: 6.5 or above
	Installation, Management, and Maintenance <ul style="list-style-type: none">3-axis mechanism for flexible ceiling and wall mount installationDrop-ceiling mount installationCamera angle adjustment: pan 350° and tilt 85°BNC connector for video outputNTSC/PAL video output switchInstallation Wizard 232-CH ST7501 recording softwareSupports 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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Fixed Dome Network Camera

FD8361L

2MP • H.264 • Vandal-Proof • Day & Night • 3-axis



VIVOTEK's FD8361L is the latest professional-series outdoor fixed dome network camera featuring superb megapixel image quality and exceptional bandwidth efficiency. With day & night functionality and a weatherproof housing, it is especially suitable for tough outdoor surveillance environments such as parking lots and streets.

Featuring a 2-megapixel sensor, the FD8361L is able to provide extremely wide coverage with the finest details. Additionally, the camera is incorporated with high performance H.264 compression technology, and has adopted a number of innovative bandwidth-efficient technologies built into the camera, including cropping, ePTZ, and activity adaptive streaming.

In order to adapt to constantly changing outdoor lighting conditions, the FD8361L features an auto-iris lens to protect from damage induced by direct sunlight. The camera also comes with a removable IR-cut filter and IR illuminators for superior image quality around the clock. For protection against the elements, the camera is furnished with an IP66-rated housing and vandal-proof casing to withstand rain, dust, and vandalism. The PoE-powered heater and fan further enhance the FD8361L's performance and reliability in extremely cold and warm weather.

The integrated BNC connector allowing the FD8361 to be connected directly to an analog monitor provides enhanced flexibility and usability and ease of installation. Other advanced features include a 3-axis mechanism for flexible installation, 802.3af PoE, SD/SDHC card slot, and tamper detection. With the included ST7501 32-CH recording software, the FD8361 is the ultimate camera for demanding outdoor environments.



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Ver 1.0



Flawless Image Quality & Data Efficiency

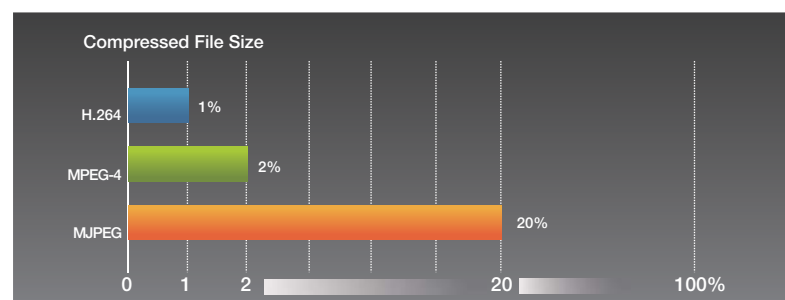
The FD8361L is equipped with a 2-megapixel sensor, making it capable of providing highly detailed images by which users can easily and accurately identify minute objects such as vehicle license plates or facial features.

To take full advantage of the high resolution capabilities, the FD8361L is incorporated with several innovative bandwidth-saving technologies. Cropping allows for the removal of unnecessary information and transmits only the image of a selected region. ePTZ can zoom in on a target area without changing the camera direction physically, then deliver only the image of that region via the Multiple Streams feature for optimal bandwidth allocation. Activity Adaptive Streaming allocates bandwidth usage dynamically with a configurable frame rate to optimize bandwidth consumption for different situations.



H.264

H.264 is the latest high performance video compression standard that boasts a much higher compression ratio than MJPEG or MPEG-4. With a 90% reduction in file size, a 2MB image can be drastically reduced to 20KB with H.264. As such, uncompromised image quality and less required bandwidth and storage space make H.264 ideal for megapixel cameras.



Constant, Uninterrupted Surveillance

Clear Images 24/7

The FD8361L delivers day & night functionality with a built-in removable IR-cut filter and IR illuminators effective up to 20 meters. By day, the IR-cut filter screens out infrared light to reduce color distortion, and at night, the filter is removed to accept infrared light and the IR illuminators are activated for higher light efficiency.



SD/SDHC Card

The FD8361L features an SD/SDHC card slot to provide short-term and portable video storage on removable memory cards, thereby providing a higher level of convenience. With this feature, because camera images are continuously recorded on the SD/SDHC card, the chance of data loss due to network disconnection is greatly reduced.



Ultimate Outdoor Surveillance

IP66-rated Housing

The FD8361L's weather-proof IP66-rated housing provides protection from extreme weather conditions, dust, and moisture. It offers total protection against contamination and withstands water jet ingress, allowing for operation in demanding environments.



Protection against Tampering and Vandalism

The ability to detect camera tampering attempts and send out real time alerts makes the FD8361L an invaluable solution for vandalism-prone areas. Additionally, the vandal-proof housing consisting of a metal base and polycarbonate cover enables the camera to withstand an impact of up to 1,000 kg, making it suitable for high-risk environments.



Extended Temperature Range

With a heater and fan incorporated in the housing, the FD8361L can operate in extreme temperatures ranging from -30 to 50 °C and humidity from 20 to 95% RH.



Product Features

- 2-megapixel CMOS Sensor
- 3 ~ 9 mm Vari-focal, Auto-iris Lens
- Removable IR-cut Filter for Day and Night Function
- Built-in IR Illuminators, Effective up to 20 Meters
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Multiple Simultaneous Streams
- Video Cropping for Bandwidth Saving
- ePTZ for Data Efficiency
- Activity Adaptive Streaming for Dynamic Frame Rate Control
- Tamper Detection for Unauthorized Changes
- Vandal-proof and Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE (Class 3)
- Built-in SD/SDHC Card Slot for On-board Storage
- Built-in Heater and Fan, Supported by PoE
- 3-axis Mechanical Design for Ceiling and Wall Mount Installation
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



ONVIF