VIVOTEK
BUILT WITH RELIABILITY

Fixed Dome Network Camera
FD8151V

## 1.3MP • Compact Size • Vandal-proof • Day & Night

VIVOTEK FD8151V is the latest compact fixed dome camera model suitable for a variety of applications. With mounting as easy as one-two-three and Power over Ethernet (PoE) functionality, setup time is completed in less than 120 seconds, making installation quick and easy. The unit is equipped with a vandal-proof housing and IR illuminators up to 5 meters, making it a feature-rich at a competitive price.

The FD8151V features a 1.3-Megapixel sensor enabling viewing resolution of 1280x1024 at 30 fps and also supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MJPEG compatibility also included, video streams can also be transmitted in either of these formats for versatile applications.

Designed to accept fixed lenses of various focal lengths, FD8151V can be used in various environments, including but not limited to: offices, elevators, campus, chain stores, boutique stores, prisons, and health care facilities. At a size of only 100 mm in diameter, VIVOTEK FD8151V is truly an all-in-one surveillance solution that meets a wide variety of needs for indoor surveillance. The package also includes VIVOTEK's 32-channel recording software. With all this and more, the FD8151V is the ideal solution for your surveillance needs.

Features

- 1.3-Megapixel CMOS Sensor
- Compact Design
- Real-time H.264 and MJPEG Compression (Dual Codec)
- 30 fps @ 1280x1024
- Supreme Night Visibility
- Removable IR-cut Filter for Day and Night Function
- Built-in IR Illuminators, Effective up to 5 Meters
- Built-in IEEE 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage
- Vandal-proof IK10-rated Housing
- Selectable Lens (f = 2.5 mm or 4 mm)

Campus

Retail

Prison

Elevator
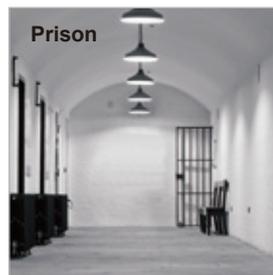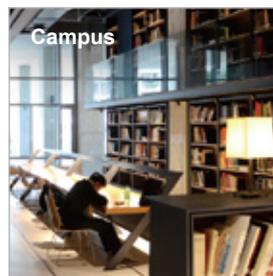
Technical Specifications

Models	FD8151V-F2 (Lens f = 2.5 mm)
	FD8151V-F4 (Lens f = 4.0 mm)

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	16 MB
RAM	256 MB

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	1280x1024
Lens Type	Fixed-focal
Focal Length	f = 2.5 mm (FD8151V-F2)
	f = 4 mm (FD8151V-F4)
Aperture	F2.0 (FD8151V-F2)
	F1.5 (FD8151V-F4)
Auto-iris	Fixed-iris
Field of View	FD8151V-F2:
	110° (horizontal)
	86° (vertical)
	142° (diagonal)
	FD8151V-F4:
	64° (horizontal)
	53° (vertical)
	80° (diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	FD8151V-F2:
	0.16 Lux, 50 IRE (Color)
	0.001 Lux, 50 IRE (B/W)
	FD8151V-F4:
	0.1 Lux, 50 IRE (Color)
	0.001 Lux, 50 IRE (B/W)
Pan/tilt/zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
IR Illuminators	Built-in IR illuminators, effective up to 5 meters IR LED*9
On-board Storage	MicroSD/SDHC/SDXC card slot

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	H.264: 30 fps at 1280x1024
	MJPEG: 30 fps at 1280x1024
Maximum Streams	2 simultaneous streams
S/N Ratio	Above 58 dB
Dynamic Range	67 dB
Video Streaming	Adjustable resolution, quality and bitrate
	Configurable video cropping for bandwidth saving
Image Settings	Adjustable image size, quality and bit rate
	Time stamp, text overlay, flip & mirror
	Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks
	Scheduled profile settings

Audio

Audio Capability	Audio input
Compression	G.711
Interface	Built-in Microphone

Network

Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Triple-window video motion detection

Alarm and Event

Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server
	File upload via HTTP, SMTP, FTP and NAS server

General

Connectors	RJ-45 for Network/PoE connection
	Digital input*1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 6.5W
Dimensions	Ø: 100 mm x 55 mm
Weight	Net: 284 g
Casing	Vandal-proof IK10-rated metal housing
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Warranty	24 months

System Requirements

Operating System	Microsoft Windows 7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (streaming only)
	Internet Explorer 7.x or 8.x
Other Players	VLC: 1.1.11 or above
	QuickTime: 7 or above

Included Accessories

CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Others	Quick installation guide, warranty card, screw pack

Dimensions

Compatible Accessories

PoE Kits

POE-IJ-1748NDN
PoE injector, 802.3af compliant

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