VIVOTEK
BUILT WITH RELIABILITY

Fixed Dome Network Camera
FD8131/31V

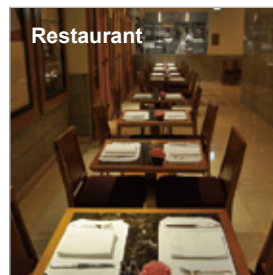## 1MP • Vari-focal Lens • Compact Design

VIVOTEK FD8131/31V are easy-to-use fixed dome network cameras specifically designed for indoor security applications. Equipped with a 1MP sensor enabling viewing resolution of 1280x800 at 30 fps, users need to look no further for an all-in-one camera capable of capturing high quality HD video.

With the vari-focal lens, the FD8131/31V provide users the freedom to adjust the field of view in accordance with their applications. The IP66-rated housing of FD8131V protects the camera body against rain and dust and ensures operation under poor weather conditions. Furthermore, the metal vandal-proof housing effectively provides robust protection of FD8131V from vandalism.
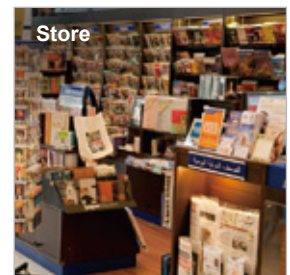
Also included are a number of advanced features standard on VIVOTEK cameras, including tamper detection, MicroSD/SDHC card slot, 802.3af compliant PoE, and VIVOTEK's 32-channel recording software. With all of these capabilities, the FD8131/31V present the best value in IP surveillance for indoor applications.
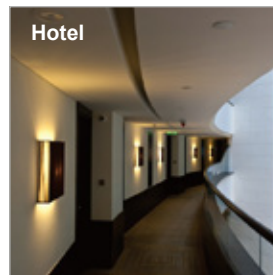
Features

● 1-Megapixel CMOS Sensor
● 3 ~ 12 mm Vari-focal Lens
● Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
● Built-in 802.3af Compliant PoE
● Built-in MicroSD/SDHC Card Slot for On-board Storage
● 3-axis Mechanical Design for Ceiling and Wall Mount Installation
● Easy and Flexible Installation
● Compact, Elegant Design
● Vandal-proof IK10-rated and Weather-proof IP66-rated Housing (FD8131V)

Restaurant

Store

Hotel

On-board Storage

Technical Specifications

Models	FD8131 FD8131V (Vandal-proof)

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	256 MB

Camera Features

Image Sensor	1/4" Progressive CMOS
Maximum Resolution	1280x800
Lens Type	Vari-focal
Focal Length	f = 3 ~ 12 mm
Aperture	F1.4 (wide), F2.0 (tele) (FD8131) F1.4 (wide), F3.2 (tele) (FD8131V)
Field of View	FD8131: 61.34° ~ 24.13° (horizontal) 37.56° ~ 15.08° (vertical) 72.85° ~ 28.18° (diagonal) FD8131V: 60.06° ~ 20.26° (horizontal) 37.14° ~ 12.70° (vertical) 71.51° ~ 22.75° (diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
Minimum Illumination	0.38 Lux @ F1.4, 50 IRE (FD8131) 0.5 Lux @ F1.4, 50 IRE (FD8131V)
Pan/tilt/zoom Functionalities	ePTZ: 16x digital zoom (4x on IE plug-in, 4x built-in)
On-board Storage	MicroSD/SDHC card slot

Video

Compression	H.264, MJPEG & MPEG-4
Maximum Frame Rate	H.264: 30 fps at 1280x800 MPEG-4: 30 fps at 1280x800 MJPEG: 30 fps at 1280x800
Maximum Streams	4 simultaneous streams
S/N Ratio	Above 53 dB
Dynamic Range	47 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

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	Ver. 1.02

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 digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server

General

Connectors	RJ-45 cable connector for Network/PoE connection Digital input*1 DC 12V power input
LED Indicator	System power and status indicator
Power Input	DC 12V IEEE 802.3af PoE Class 1
Power Consumption	Max. 3.84 W
Dimensions	Ø: 110 mm x 91 mm (FD8131) Ø: 133 mm x 94 mm (FD8131V)
Weight	Net: 500 g (FD8131) Net: 589 g (FD8131V)
Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	Start Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -20°C ~ 50°C (-4°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, alignment sticker, screws, software CD, RJ45 female/famale coupler, clamp core screwdriver (FD8131V)

Dimensions

• FD8131

• FD8131V

Compatible Accessories

Mounting Kits

AM-517
Adaptor ring

AM-518
Dome adapter

AM-214
L shape bracket

Power Adapter

AA-221
DC 12V Power Adapter

PoE Kits

MS-POE-IJAF
PoE injector, 802.3af compliant

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Ver 1.0