



Fixed Dome Network Camera FD8164V



2MP • 15M IR • IP66 • Vandal-proof •
3DNR

VIVOTEK FD8164V is an easy-to-use fixed dome network camera specifically designed for indoor/outdoor security applications with a compact, stylish vandal-proof exterior. Equipped with a 2MP sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the FD8164V is an all-in-one outdoor camera capable of capturing high quality and high resolution video up to 2 Megapixel.

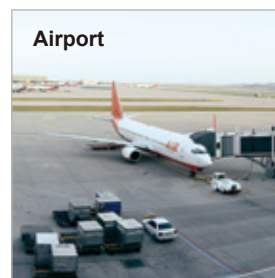
In order to adapt to constantly changing outdoor lighting conditions, the FD8164V features a removable IR-cut filter as well as improved IR illuminators effective up to 15M for superior image quality around the clock. For protection against harsh outdoor environments, the camera is encased in an IP66-rated housing to withstand dust and rain. Furthermore, the metal vandal-proof housing effectively provides robust protection from vandalism.

The FD8164V supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.264, and MJPEG compatibility both included, the dual streams can be simultaneously transmitted in any of these formats at different resolutions, frame rates, and image qualities for versatile platforms. Thereby it further optimizes bandwidth and storage efficiency.

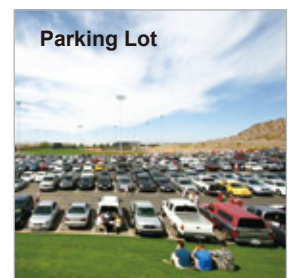
Incorporating a number of advanced features standard for VIVOTEK cameras, including tamper detection, 802.3af compliant PoE, MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the FD8164V is the ideal solution for your indoor/outdoor surveillance needs.

Features

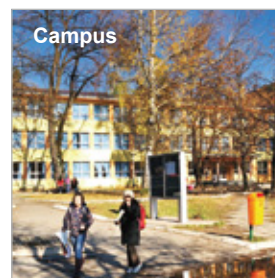
- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080
- Real-time H.264, MJPEG Compression (Dual Codec)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 15 Meters
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability
- Weather-proof IP66-rated Housing
- 3D Noise Reduction for Low-light Conditions



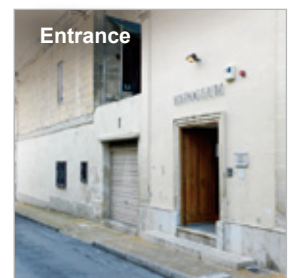
Airport



Parking Lot



Campus



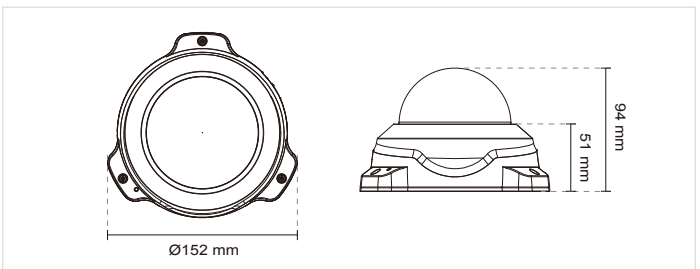
Entrance

Technical Specifications

Models	FD8164V-F2 FD8164V-F3
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB
Camera Features	
Image Sensor	1/2.7" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm (FD8164V-F2) f = 3.6 mm (FD8164V-F3)
Aperture	F2.0 (FD8164V-F2) F1.8 (FD8164V-F3)
Field of View	FD8164V-F2: 120° (Horizontal) 68° (Vertical) 141° (Diagonal) FD8164V-F3: 95° (Horizontal) 51° (Vertical) 112° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	FD8164V-F2: 0.33 Lux @ F2.0, 50 IRE (Color) 0.001 Lux @ F2.0, 50 IRE (B/W) FD8164V-F3: 0.28 Lux @ F1.8, 50 IRE (Color) 0.001 Lux @ F1.8, 50 IRE (B/W)
Pan Range	350°
Tilt Range	60°
Rotation Range	350°
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 15 meters IR LED*8
On-board Storage	MicroSD/SDHC/SDXC card slot
Video	
Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes
Maximum Streams	2 simultaneous streams
S/N Ratio	Above 53 dB
Dynamic Range	54.5 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, 3D Noise Reduction
Audio	
Audio Capability	Audio input
Compression	G.711
Interface	Built-in microphone
Effective Range	5 meters

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 digital output, 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. 5.1W
Dimensions	Ø: 152 mm x 94 mm
Weight	Net: 666 g
Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick
Operating Temperature	Starting 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 7/8/9
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, screw pack, software CD

Dimensions



Compatible Accessories

Mounting Kits



AM-211
L-shape wall mount

PoE Kits



POE-IJ-1748NDN
802.3af Compliant PoE Injector

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Direktronik AB tel. 08-52 400 700 www.direktronik.se



VIVOTEK INC.

6F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, 235, Taiwan, R.O.C.
|T: +886-2-82455282 | F: +886-2-82455332 | E: sales@vivotek.com

VIVOTEK USA, INC.

2050 Ringwood Avenue, San Jose, CA 95131
|T: 408-773-8886 | F: 408-773-8298 | E: salesusa@vivotek.com

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