



# 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.

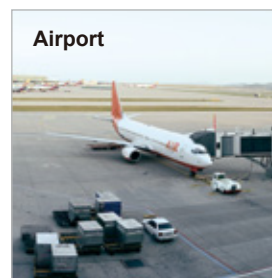
In order to adapt to constantly changing outdoor lighting conditions, the FD8164V features a removable IR-cut filter as well as improved IR illuminators effective up to 15M for superior image quality around the clock. For protection against harsh outdoor environments, the camera is encased in an IP66-rated 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.

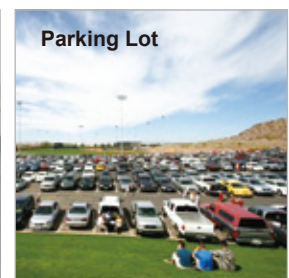
Incorporating a number of advanced features standard for VIVOTEK cameras, including tamper detection, 802.3af compliant PoE, MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the FD8164V is the ideal solution for your indoor/outdoor surveillance needs.

## 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



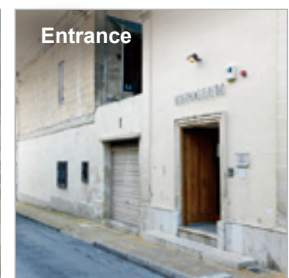
Airport



Parking Lot



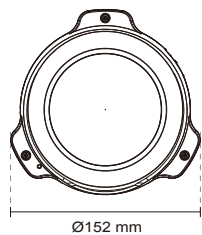
Campus



Entrance

## Technical Specifications

Models	FD8164V-F2 FD8164V-F3	<b>Network</b>	
<b>System Information</b>		Users	Live viewing for up to 10 clients
CPU	Multimedia SoC (System-on-Chip)	Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X
Flash	128MB	Interface	10Base-T/100 BaseTX Ethernet (RJ-45)
RAM	256MB	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Camera Features</b>		<b>Intelligent Video</b>	
Image Sensor	1/2.7" Progressive CMOS	Video Motion Detection	Triple-window video motion detection
Maximum Resolution	1920x1080 (2MP)	<b>Alarm and Event</b>	
Lens Type	Fixed-focal	Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Focal Length	f = 2.8 mm (FD8164V-F2) f = 3.6 mm (FD8164V-F3)	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
Aperture	F2.0 (FD8164V-F2) F1.8 (FD8164V-F3)	<b>General</b>	
Field of View	FD8164V-F2: 120° (Horizontal) 68° (Vertical) 141° (Diagonal) FD8164V-F3: 95° (Horizontal) 51° (Vertical) 112° (Diagonal)	Connectors	RJ-45 for Network/PoE connection Digital input*1
Shutter Time	1/5 sec. to 1/32,000 sec.	LED Indicator	System power and status indicator
Day/Night	Removable IR-cut filter for day & night function	Power Input	IEEE 802.3af PoE Class 2
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)	Power Consumption	Max. 5.1W
Pan Range	350°	Dimensions	Ø: 152 mm x 94 mm
Tilt Range	60°	Weight	Net: 666 g
Rotation Range	350°	Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated housing
Pan/tilt/zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick
IR Illuminators	Built-in IR illuminators, effective up to 15 meters IR LED*8	Operating Temperature	Starting Temperature: -10°C ~ 50°C (14°F~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F~ 122°F)
On-board Storage	MicroSD/SDHC/SDXC card slot	Warranty	24 months
<b>Video</b>		<b>System Requirements</b>	
Compression	H.264 & MJPEG	Operating System	Microsoft Windows 7/Vista/XP/2000
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes	Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9
Maximum Streams	2 simultaneous streams	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
S/N Ratio	Above 53 dB	<b>Included Accessories</b>	
Dynamic Range	54.5 dB	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving	Others	Quick installation guide, warranty card, alignment sticker, screw pack, software CD
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	<b>Dimensions</b>	
<b>Audio</b>			
Audio Capability	Audio input		
Compression	G.711		
Interface	Built-in microphone		
Effective Range	5 meters		



## Compatible Accessories

### Mounting Kits



**AM-211**  
L-shape wall mount

### PoE Kits



**POE-IJ-1748NDN**  
802.3af Compliant PoE Injector

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