



# Fixed Dome Network Camera FD8164



2MP • 15M IR • 3DNR

VIVOTEK FD8164 is an easy-to-use fixed dome network camera specifically designed for indoor security applications with a compact, stylish exterior. Equipped with a 2MP sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the FD8164 is an all-in-one camera capable of capturing high quality and high resolution video up to 2 Megapixel.

In order to adapt to constantly changing lighting conditions, the FD8164 features a removable IR-cut filter as well as improved IR illuminators effective up to 15M for superior image quality around the clock. Featuring 3D Noise Reduction Technology, it enables the FD8164 to capture clear, polished video under low-light conditions, which also helps to reduce bandwidth from sensor noise.

The FD8164 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 FD8164 is the ideal solution for your indoor 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
- 3D Noise Reduction for Low-light Conditions



Library



Bank

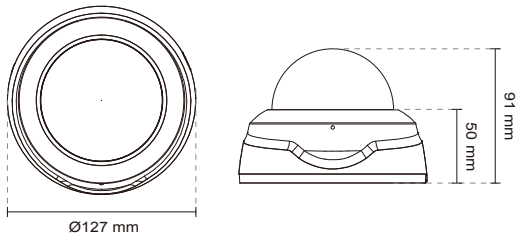


Retail



Restaurant

## Technical Specifications

Models	FD8164-F2 FD8164-F3	Network	
<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/100BaseTX Ethernet (RJ-45) *It is highly recommended to use standard Cat. 5e & Cat. 6 cables which are compliant with the 3P/ETL standard.
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 (FD8164-F2) f = 3.6 mm (FD8164-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 (FD8164-F2) F1.8 (FD8164-F3)	<b>General</b>	
Field of View	FD8164-F2: 120° (Horizontal) 68° (Vertical) 141° (Diagonal) FD8164-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	FD8164-F2: 0.33 Lux @ F2.0, 50 IRE (Color) 0.001 Lux @ F2.0, 50 IRE (B/W) FD8164-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: 127 mm x 91 mm
Tilt Range	60°	Weight	Net: 440 g
Rotation Range	350°	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Pan/tilt/zoom	ePTZ:	Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Functionalities	48x digital zoom (4x on IE plug-in, 12x built-in)	Warranty	24 months
IR Illuminators	Built-in IR illuminators, effective up to 15 meters IR LED*8	<b>System Requirements</b>	
On-board Storage	MicroSD/SDHC/SDXC card slot	Operating System	Microsoft Windows 7/Vista/XP/2000
<b>Video</b>		Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9
Compression	H.264 & MJPEG	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes	<b>Included Accessories</b>	
Maximum Streams	3 simultaneous streams	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
S/N Ratio	Above 53 dB	Others	Quick installation guide, warranty card, alignment sticker, screw pack, software CD
Dynamic Range	54.5 dB	<b>Dimensions</b>	
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		
<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

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