VIVOTEK
BUILT WITH RELIABILITY

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.
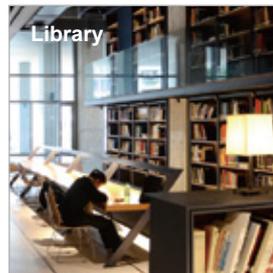
In order to adapt to constantly changing lighting conditions, the FD8164 features a removable IR-cut filter as well as improved IR illuminators effective up to 15M for superior image quality around the clock. Featuring 3D Noise Reduction Technology, it enables the FD8164 to capture clear, polished video 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
- Build-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

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 (FD8164-F2)
	f = 3.6 mm (FD8164-F3)
Aperture	F2.0 (FD8164-F2)
	F1.8 (FD8164-F3)
Field of View	FD8164-F2:
	120° (Horizontal)
	68° (Vertical)
	141° (Diagonal)
	FD8164-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	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)
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: 127 mm x 91 mm
Weight	Net: 440 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	0°C ~ 50°C (32°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

91 mm
50 mm
Ø127 mm

Compatible Accessories

Mounting Kits

AM-211
L-shape wall mount

PoE Kits

POE-IJ-1748NDN
802.3af Compliant PoE Injector

Distributed by:

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