



C **FD8166A**
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Ultra-mini Fixed Dome
Network Camera



2MP · 30 fps · Stylish Design · Easy Installation · Smart Stream II · SNV · 3DNR · WDR Enhanced · Defog

VIVOTEK's FD8166A is an ultra-mini fixed dome network camera with a tiny diameter of only 90 mm. Due to its compact and intelligent design and affordable price, the FD8166A is an ideal indoor surveillance solution that suits a wide variety of applications, such as retail, office, or boutiques, or to monitor elevators or other public areas.

Equipped with a 2 megapixel Full HD sensor enabling viewing resolution of 1920x1080 at 30 fps, the FD8166A is capable of capturing high-definition images whether in high contrast or low light environments by deploying WDR and SNV technology. When combined with VIVOTEK's Smart Stream II technology, the FD8166A can reduce both bandwidth and storage consumption by up to 50%* while retaining the same superb image quality as a Full HD camera.

As an all-in-one camera, the FD8166A is designed for easy installation and equipped with Power over Ethernet (PoE) functionality, making setup both quick and simple. The FD8166A is also completely compatible with VIVOTEK's free 32-channel recording software. With all of these benefits and more, the FD8166A is a sure bet to fulfill your surveillance needs.

* Depending on scene being monitored.

Key Features

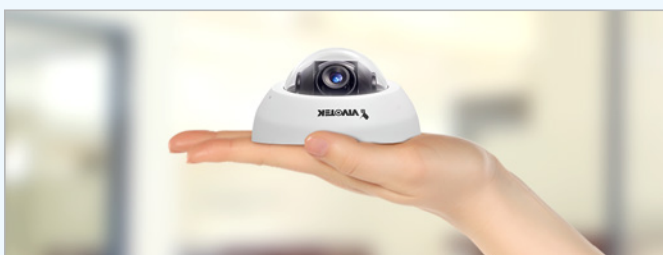
- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080
- Real-time H.264, MJPEG Compression (Dual Codec)
- SNV (Supreme Night Visibility) for Low Light Conditions
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments
- 3D Noise Reduction
- Built-in IEEE 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Defog
- Compact and Stylish Design
- Easy Installation



Retail



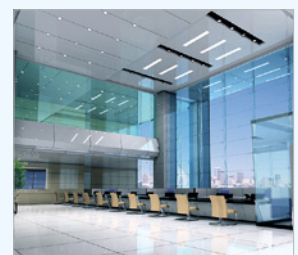
Office



Ultra-mini Size



Boutique



Bank

Technical Specifications

Model	FD8166A	ONVIF	Supported, specification available at www.onvif.org
System Information		Intelligent Video	
CPU	Multimedia SoC (System-on-Chip)	Video Motion Detection	Five-window video motion detection
Flash	128MB	VCA*	Line crossing detection, field detection, loitering detection
RAM	256MB	Alarm and Event	
Camera Features		Alarm Triggers	
Image Sensor	1/2.8" Progressive CMOS	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection	
Maximum Resolution	1920x1080 (2MP)	Alarm Events	
Lens Type	Fixed-focal	Event notification using HTTP, SMTP, FTP, NAS server and SD card File upload via HTTP, SMTP, FTP, NAS server and SD card	
Focal Length	f = 2.8 mm	General	
Aperture	F1.8	Connectors	
Field of View	113° (Horizontal) 63° (Vertical) 136° (Diagonal)	RJ-45 cable connector for 10/100Mbps Network/PoE connection Digital input*1	
Shutter Time	1/5 sec. to 1/32000 sec.	LED Indicator	
WDR Technology	WDR Enhanced	System power and status indicator	
Minimum Illumination	0.05 Lux @ F1.8	Power Input	
Pan Range	45°	IEEE 802.3af PoE Class 1	
Tilt Range	33° ~ 90°	Power Consumption	
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	Max. 3 W	
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Dimensions	
Video		Ø 90 x 50 mm	
Compression	H.264 & MJPEG	Weight	
Maximum Frame Rate	30 fps @ 1920x1080 In both compression	144 g	
Maximum Streams	4 simultaneous streams	Safety Certifications	
S/N Ratio	47 dB	CE, LVD, FCC Class B, VCCI, C-Tick	
Dynamic Range	70 dB	Operating Temperature	
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)	
Image Settings	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, video rotation, defog	Humidity	
Audio		90%	
Audio Capability	One-way audio	Warranty	
Compression	G.711, G.726	24 months	
Interface	Built-in microphone	System Requirements	
Effective Range	5 meters	Operating System	
Network		Microsoft Windows 8/7/Vista/XP/2000	
Users	Live viewing for up to 10 clients	Web Browser	
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10/11	
Interface	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	Other Players	
		VLC: 1.1.11 or above Quicktime: 7 or above	
		Included Accessories	
		Others	
		Quick installation guide, warranty card, screws pack, focus kit	
		Dimensions	

* Available per project request

Cloud based Solution

