



C FD8166A

series Ultra-mini Fixed Dome Network Camera



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

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

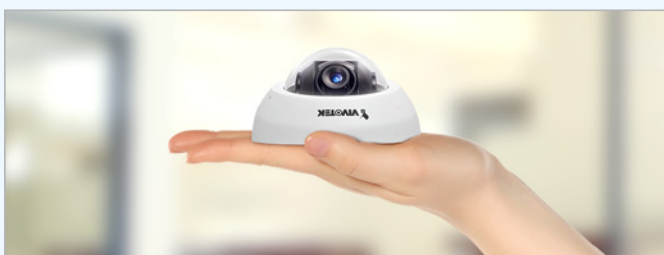
- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080
- Real-time H.264, MJPEG Compression (Dual Codec)
- SNV (Supreme Night Visibility) for Low Light Conditions
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments
- 3D Noise 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
- VIVOCLOUD Mobile App



Retail



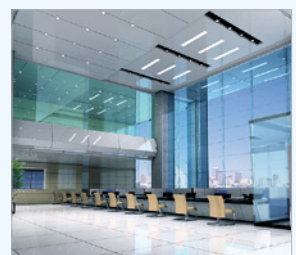
Office



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	Alarm and Event	
RAM	256MB	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Camera Features		Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
Image Sensor	1/2.8" Progressive CMOS	General	
Maximum Resolution	1920x1080 (2MP)	Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection Digital input*1
Lens Type	Fixed-focal	LED Indicator	System power and status indicator
Focal Length	f = 2.8 mm	Power Input	IEEE 802.3af PoE Class 1
Aperture	F1.8	Power Consumption	Max. 3 W
Field of View	113° (Horizontal) 63° (Vertical) 136° (Diagonal)	Dimensions	Ø 90 x 50 mm
Shutter Time	1/5 sec. to 1/32000 sec.	Weight	144 g
WDR Technology	WDR Enhanced	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Minimum Illumination	0.05 Lux @ F1.8	Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Pan Range	45°	Humidity	90%
Tilt Range	33° ~ 90°	Warranty	24 months
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	System Requirements	
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Operating System	Microsoft Windows 8/7
Video		Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 10/11
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	Included Accessories	
Maximum Streams	4 simultaneous streams	Others	Quick installation guide, warranty card, screws pack, focus kit
S/N Ratio	47 dB	Dimensions	
Dynamic Range	70 dB		
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II		
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		
Audio			
Audio Capability	One-way audio		
Compression	G.711, G.726		
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, UDP, ICMP, ARP, SSL, TLS		
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.		

Cloud-based Solution

