



# FD8182-F1

Fixed Dome Network Camera



5MP • Ultra Wide Angle • WDR Enhanced • 3DNR •  
Smart Stream • Video Rotation • Two-way Audio • Defog

VIVOTEK's FD8182 is a series of economical professional indoor fixed dome network cameras in VIVOTEK's 5MP Lite series. Designed to provide higher resolution and sharper image quality, the FD8182 series offer up to 15 fps at 5-Megapixel or 30 fps at 1080p resolution. With powerful 3D Noise Reduction technology and Smart Stream technology, the FD8182 series can also optimize resolution for a desired object or area to maximize efficiency of bandwidth usage.

Increasing its flexibility, VIVOTEK's FD8182 series has options for both fixed focus lenses and remote focus lenses with built-in stepping motors and P-iris'. The FD8182 series also has a built-in PIR

(passive infrared) sensor to help detect unexpected events and provide real time alerts.

With the highly flexible VADP (VIVOTEK Application Development Platform), users can extend the features of this series by adding third-party applications on to the FD8182-F1, FD8182-F2 and the FD8182-T. The new FD8182-F1, with it's f1.96mm lens, is also capable of seeing up to 137° horizontal and 101° vertical FOV, enabling it to cover wide areas in high detail. Thus, the FD8182 series is ideal for a wide variety of unique indoor applications including retail, education, and hospital vertical markets.

## Key Features

- 15 fps @ 2560x1920
- Ultra Wide Angle (137° HFOV and 101° VFOV)
- WDR Enhancement for Improved Visibility in Extremely Bright and Dark Environments
- Smart Stream to Optimize Bandwidth Efficiency
- 3D Noise Reduction for Low-light Conditions
- Two-way Audio
- PIR
- Video Rotation for Corridor View
- Support Installation with AM-712 Indoor Conduit Box



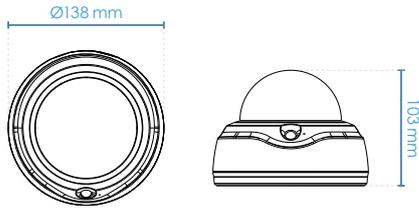
Ultra Wide Angle

## Technical Specifications

Model	FD8182-F1		
<b>System Information</b>			
CPU	Multimedia SoC (System-on-Chip)		
Flash	1Gb		
RAM	4Gb		
<b>Camera Features</b>			
Image Sensor	1/3.2" Progressive CMOS		
Maximum Resolution	2560x1920 (5MP)		
Lens Type	Fixed-focal		
Focal Length	f = 1.96 mm		
Aperture	F2.2		
Field of View	137° (Horizontal) 101° (Vertical) 180° (Diagonal)		
Shutter Time	1/5 sec. to 1/32,000 sec.		
WDR Technology	WDR Enhanced		
Minimum Illumination	0.58 Lux @ F2.2 (Color)		
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)		
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording		
<b>Video</b>			
Compression	H.264 & MJPEG		
Maximum Frame Rate	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080 In both compression modes		
Maximum Streams	4 simultaneous streams		
S/N Ratio	67 dB		
Dynamic Range	70 dB		
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream		
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, video rotation, defog		
<b>Audio</b>			
Audio Capability	Two-way Audio (full duplex)		
Compression	G.711, G.726		
Interface	Built-in microphone External line input External line output		
<b>Network</b>			
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, CIFS/SMB		
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.		
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>		
<b>Intelligent Video</b>			
Video Motion Detection	Five-window video motion detection		
<b>Alarm and Event</b>			
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection		
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card		
<b>General</b>			
Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1		
LED Indicator	System power and status indicator		
Power Input	DC 12V IEEE 802.3af/at PoE Class 0		
Power Consumption	Max. 9 W		
Dimensions	Ø 138 x 103 mm		
Weight	482 g		
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick		
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F~ 122°F) Working Temperature: -10°C ~ 50°C (14°F~ 122°F)		
Humidity	90%		
Warranty	24 months		
<b>System Requirements</b>			
Operating System	Microsoft Windows 7/8		
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11		
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above		
<b>Included Accessories</b>			
CD	User's manual, quick installation guide, Shepherd, VAST 32-channel recording software		
Others	Quick installation guide, warranty card, alignment sticker/desiccant bag, screw pack		

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### Dimensions



## Compatible Accessories

Mounting Kits				PoE Kits
				
AM-215 (v02) L Shape Bracket	AM-514 (v01) Adapter Ring	AM-527 (v01) Mounting Adapter	AM-712 Conduit Box	AP-FXC-0201 PoE Extender with Conduit Box