FD8182-T
FD8182-F2

Fixed Dome Network Camera

5MP · 30M IR · WDR Enhanced · P-iris · Remote Focus · 3DNR · Smart Stream · Smart IR · Video Rotation · PIR · Defog

VIVOTEK's FD8182 is a series of economic professional indoor fixed dome network cameras in VIVTOTEK's 5MP Lite series. Designed to provide higher resolution and sharper image with more details, 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.

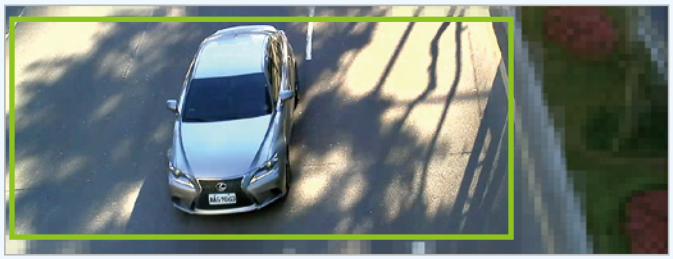
Increasing its flexibility, VIVOTEK's FD8182 series provides options for both fixed focus used for simple operation without additional power, and remote focus with built-in stepping motors and P-iris to provide precise adjustment remotely.

To meet the demands of indoor applications, VIVOTEK's FD8182 series is also equipped with a PIR sensor to help detect unexpected events and provide the the appropriate response in real time.

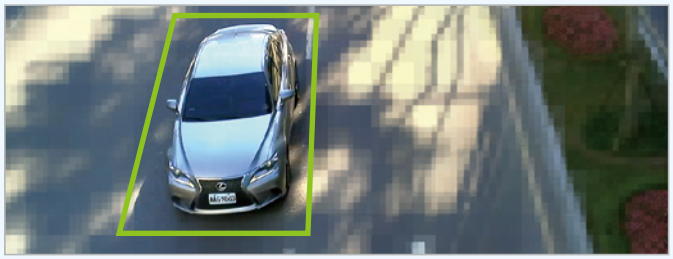
With the highly flexible VADP (VIVOTEK Application Development Platform), users can extend the features of this series by adding third-party applications for the FD8182-F2 and the FD8182-T. Thus, the FD8182 series is not only equipped with multiple focusing methods, but is also highly flexible and able to be expanded to meet the requirements of a wide variety of indoor applications.

Key Features

- 5-Megapixel CMOS Sensor
- 15 fps @ 2560x1920
- 3 ~ 9 mm, Remote Focus, P-iris Lens (FD8182-T)
- Built-in IR Illuminators, Effective up to 30 Meters
- WDR Enhanced for Unparalleled Visibility in Bright and Dark Environments
- Smart Stream to Optimize Bandwidth Efficiency
- 3D Noise Reduction
- Two-way Audio
- PIR
- Video Rotation for Corridor View
- Support Installation with AM-712 Indoor Conduit Box



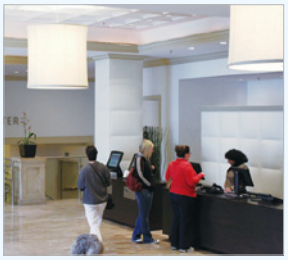
Smart Stream - Manual Mode



Smart Stream - Auto Mode

Store

Train Station



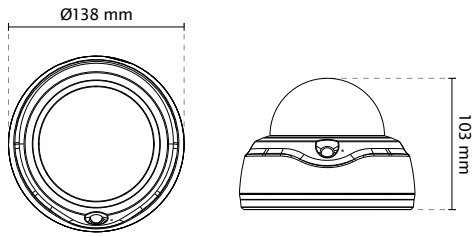
Hotel

Airport

Technical Specifications

Model	FD8182-T: Vari-focal, P-iris, Remote Focus FD8182-F2: Fixed-focal
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	1Gb
RAM	4Gb
Camera Features	
Image Sensor	1/3.2" Progressive CMOS
Maximum Resolution	2560x1920 (5MP)
Lens Type	FD8182-T: Vari-focal FD8182-F2: Fixed-focal
Focal Length	FD8182-T: f = 3 ~ 9 mm FD8182-F2: f= 2.8 mm
Aperture	FD8182-T: F1.2 ~ F2.3 FD8182-F2: F1.8
Auto-iris	P-iris (FD8182-T)
Field of View	FD8182-T: 35˚ ~ 78˚ (Horizontal) 27˚ ~ 54˚ (Vertical) 44˚ ~ 101˚ (Diagonal) FD8182-F2: 90˚ (Horizontal) 67˚ (Vertical) 118˚ (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Enhanced
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	FD8182-T: 0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) FD8182-F2: 0.39 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
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 30 meters with Smart IR IR LED*8
On-board Storage	Slot type: Micro SD/SDHC/SDXC card slot Seamless Recording
Video	
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
Audio	
Audio Capability	Two-way Audio (full duplex)
Compression	G.711, G.726
Interface	Built-in microphone External line input External line output
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, 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 www.onvif.org
Intelligent Video	
Video Motion Detection	Five-window video motion detection
Alarm and Event	
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 and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
General	
Smart Focus System	FD8182-T: Remote Focus
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	FD8182-T: Max. 9.5 W FD8182-F2: Max. 9 W
Dimensions	Ø 138 x 103 mm
Weight	541 g
Safety Certifications	FD8182-T:CE, LVD, FCC Class B, VCCI, C-Tick, UL FD8182-F2: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)
Warranty	36 months (FD8182-T) 24 months (FD8182-F2)
System Requirements	
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
Included Accessories	
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

Dimensions

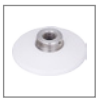


Compatible Accessories

Mounting Kits

AM-215 (v02)
L Shape Bracket

AM-514 (v01)
Adapter Ring



AM-527 (v01)
Mounting Adapter

AM-712
Conduit Box

PoE Kits

AP-FXC-0201
PoE Extender with Conduit Box

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