



# FD8182-T/ F2

## Fixed Dome Network Camera



5MP • 30M IR • Smart IR • P-iris • Remote Focus •  
Smart Stream • PIR • Video Rotation

VIVOTEK's FD8182 is a series of economic professional indoor fixed dome network cameras in VIVOTEK'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.

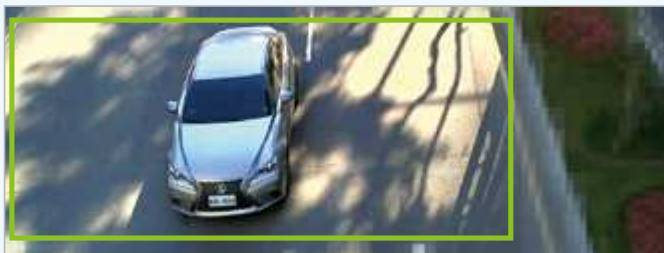
Increasing its flexibility, VIVOTEK's FD8182 series provides options for both fixed focus used for simple operation without additional power, and remote focus with built-in stepping motors and P-iris to provide precise adjustment remotely.

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 appropriate response in real time.

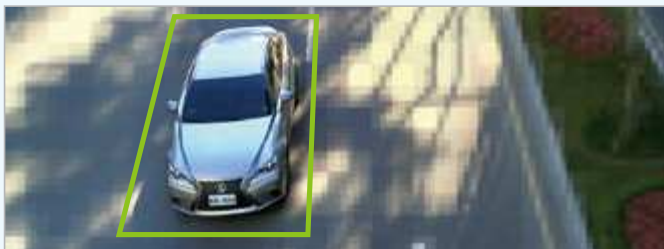
With the highly flexible VADP (VIVOTEK Application Development Platform), users can extend the features of this series by adding third-party applications for the FD8182-F2 and the FD8182-T. Thus, the FD8182 series is not only equipped with multiple focusing methods, but is also highly flexible and able 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)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Real-time H.264, and MJPEG Compression
- Two-way Audio
- WDR Enhanced for Unparalleled Visibility in Bright and Dark Environments
- Smart Stream to Optimize Bandwidth Efficiency
- PIR
- 3D Noise Reduction
- Smart IR Technology to Avoid Overexposure
- Video Rotation for Corridor View
- Support Installation with AM-712 Indoor Conduit Box
- VIVOTEK VCA (Video Content Analysis) Support



Smart Stream - Manual Mode



Store



Train Station

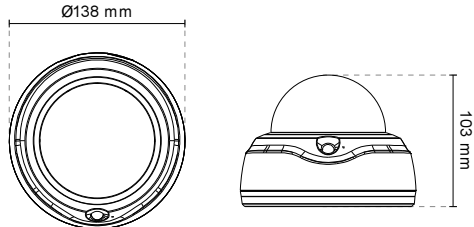


Hotel



Airport

## Technical Specifications

|                                      |   |  |   |
|--------------------------------------|---|--|---|
| <b>Model</b>                         | FD8182-T: Vari-focal, P-Iris, Remote Focus<br>FD8182-F2: Fixed-focal  | <b>ONVIF</b>   | Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>  |
| <b>System Information</b>            |   | <b>Intelligent Video</b>   |   |
| <b>CPU</b>                           | Multimedia SoC (System-on-Chip)   | <b>Video Motion Detection</b>  | Five-window video motion detection  |
| <b>Flash</b>                         | 1Gb   | <b>VCA*</b>  | Line crossing detection, field detection, loitering detection   |
| <b>RAM</b>                           | 4Gb   | <b>Alarm and Event</b>   |   |
| <b>Camera Features</b>               |   | <b>Alarm Triggers</b>  | Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection |
| <b>Image Sensor</b>                  | 1/3.2" Progressive CMOS   | <b>Alarm Events</b>  | Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card<br>File upload via HTTP, SMTP, FTP, NAS server and SD card                 |
| <b>Maximum Resolution</b>            | 2560x1920 (5MP)   | <b>General</b>   |   |
| <b>Lens Type</b>                     | FD8182-T: Vari-focal<br>FD8182-F2: Fixed-focal  | <b>Smart Focus System</b>  | FD8182-T: Remote Focus  |
| <b>Focal Length</b>                  | FD8182-T: f = 3 ~ 9 mm<br>FD8182-F2: f = 2.8 mm   | <b>Connectors</b>  | RJ45 cable connector for Network/ PoE connection<br>Audio input<br>Audio output<br>DC 12V power input<br>Digital input*1<br>Digital output*1                |
| <b>Aperture</b>                      | FD8182-T: F1.2 ~ F16<br>FD8182-F2: F1.8   | <b>LED Indicator</b>   | System power and status indicator   |
| <b>Auto-iris</b>                     | P-Iris (FD8182-T)   | <b>Power Input</b>   | DC 12V<br>IEEE 802.3at PoE  |
| <b>Field of View</b>                 | FD8182-T:<br>35° ~ 78° (Horizontal)<br>27° ~ 54° (Vertical)<br>44° ~ 101° (Diagonal)<br>FD8182-F2:<br>90° (Horizontal)<br>67° (Vertical)<br>118° (Diagonal)   | <b>Power Consumption</b>   | FD8182-T:<br>Max. 8 W (DC 12V)<br>Max. 9.5 W (PoE)<br>FD8182-F2:<br>Max. 7.5 W (DC 12V)<br>Max. 9 W (PoE)   |
| <b>Shutter Time</b>                  | 1/5 sec. to 1/32,000 sec.   | <b>Dimensions</b>  | Ø 138 x 103 mm  |
| <b>WDR Technology</b>                | WDR Enhanced  | <b>Weight</b>  | 541 g   |
| <b>Day/ Night</b>                    | Removable IR-cut filter for day & night function  | <b>Safety Certifications</b>   | FD8182-T: CE, LVD, FCC Class B, VCCI, C-Tick, UL<br>FD8182-F2: CE, LVD, FCC Class B, VCCI, C-Tick   |
| <b>Minimum Illumination</b>          | FD8182-T:<br>0.04 Lux @ F1.2 (Color)<br>0.001 Lux @ F1.2 (B/W)<br>FD8182-F2:<br>0.39 Lux @ F1.8 (Color)<br>0.001 Lux @ F1.8 (B/W)   | <b>Operating Temperature</b>   | Starting Temperature: -10°C ~ 50°C (-14°F ~ 122°F)<br>Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F)  |
| <b>Pan/tilt/zoom Functionalities</b> | ePTZ:<br>48x digital zoom (4x on IE plug-in, 12x built in)  | <b>Warranty</b>  | 36 months (FD8182-T)<br>24 months (FD8182-F2)   |
| <b>IR Illuminators</b>               | Built-in IR illuminators, effective up to 30 meters with Smart IR<br>IR LED*8   | <b>System Requirements</b>   |   |
| <b>On-board Storage</b>              | Slot type: Micro SD/ SDHC/ SDXC card slot<br>Seamless Recording   | <b>Operating System</b>  | Microsoft Windows 7/ 8/ Vista/ XP/ 2000   |
| <b>Video</b>                         |   | <b>Web Browser</b>   | Mozilla Firefox 7~10 (streaming only)<br>Internet Explorer 7/ 8/ 9/ 10/ 11  |
| <b>Compression</b>                   | H.264 & MJPEG   | <b>Other Players</b>   | VLC: 1.1.11 or above<br>Quicktime: 7 or above   |
| <b>Maximum Frame Rate</b>            | 30 fps @ 1920x1080<br>In both compression modes   | <b>Included Accessories</b>  |   |
| <b>Maximum Streams</b>               | 4 simultaneous streams  | <b>CD</b>  | User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software  |
| <b>S/N Ratio</b>                     | 67 dB   | <b>Others</b>  | Quick installation guide, warranty card, alignment sticker/ desiccant bag, screw pack   |
| <b>Dynamic Range</b>                 | 70 dB   | <b>Dimensions</b>  |   |
| <b>Video Streaming</b>               | Adjustable resolution, quality and bitrate; Smart Stream  |  |   |
| <b>Image Settings</b>                | 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>                         |   |  |   |
| <b>Audio Capability</b>              | Two-way Audio (full duplex)   |  |   |
| <b>Compression</b>                   | G.711, G.726  |  |   |
| <b>Interface</b>                     | Internal microphone input<br>External line output   |  |   |
| <b>Network</b>                       |   |  |   |
| <b>Users</b>                         | Live viewing for up to 10 clients   |  |   |
| <b>Protocols</b>                     | 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  |  |   |
| <b>Interface</b>                     | 10 Base-T/ 100 Base-TX Ethernet (RJ45)<br>*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P ETL standard.   |  |   |

\* Available per project request

## Compatible Accessories

### Mounting Kits



AM-215 (v02)  
L Shape Bracket



AM-51C (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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