VIVOTEK's FD8182 is a series of economic professional indoor fixed dome network cameras in VIVOTEK's SMP 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)
- 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
### Technical Specifications

**Model**
- Model FD8182-T: Vari-focal, P-iris, Remote Focus
- Model 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:
    - Horizontal: 35° ~ 78°
    - Vertical: 27° ~ 54°
    - Diagonal: 44° ~ 101°
  - FD8182-F2:
    - Horizontal: 90°
    - Vertical: 67°
    - Diagonal: 118°
- **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:
    - Color: 0.04 Lux @ F1.2
    - Black & White: 0.001 Lux @ F1.2
  - FD8182-F2:
    - Color: 0.39 Lux @ F1.8
    - Black & White: 0.001 Lux @ F1.8
- **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

**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 bitrate; 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/UDP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TFTP, SSL, TLS, CIFS/SMB

**Dimensions**
- Ø138 mm

**Compatible Accessories**

### Interface
- 10 Base-T/100BaseTX Ethernet (RJ-45)
- *It is highly recommended to use standard 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, Flk 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
- **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, C-Tick, UL
  - FD8182-F2: CE, LVD, FCC Class B, 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
- **User’s manual, quick installation guide, Shepherd, VAST 32-channel recording software**
- **Quick installation guide, warranty card, alignment sticker/desiccant bag, screw pack**

### Dimensions
- Ø138 mm x 103 mm

---

**VIVOTEK INC.**

All specifications are subject to change without notice. Copyright © VIVOTEK INC. All rights reserved. Ver. 13