

# FE8180

Fisheye Network Camera



5MP · 360° Surround View · Pixel Calculator · Compact Size

The VIVOTEK FE8180 is the world's smallest fisheye camera, featuring a detailed 5-Megapixel resolution sensor with superb image quality. A small camera with large functionality, the VIVOTEK FE8180, with a diameter of only 90 mm, is truly an all-in-one surveillance solution that meets a wide variety of needs for indoor surveillance. Equipped with a fisheye lens for 180° panoramic view (wall mount) or 360° surround view without blind spots (ceiling mount), the camera is able to provide full video coverage of wide, open areas, such as airport lobby, shopping malls, retail stores, offices and more.

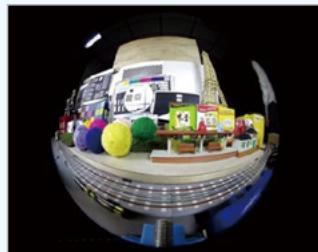
The FE8180 offers various display layouts, including original surround view, panoramic view, and regional view to suit a variety of applications. In addition, in both the panoramic and regional viewing modes, users can utilize the ultra-smooth ePTZ function to easily zoom in and focus on a region of interest (ROI). The new cutting-edge pixel calculation function helps the user to ensure the image quality of a desired area.

## Key Features

- 5-Megapixel CMOS Sensor
- 30 fps @ 1080p Full HD
- 1.57 mm Fisheye Lens for 180° Panoramic View and 360° Surround View
- WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments
- ePTZ for Data Efficiency
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Support Local or Client Side Dewarping
- 3D Noise Reduction
- 15° Tilt Mount Available
- Support Installation with Conduit Box



10 360° view



Snapshot from FE8180



Retail



15° Wall-mount Bracket



108R dewarped view



103R dewarped view

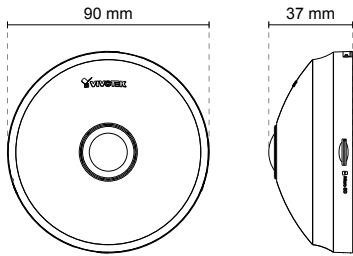


Office



Station lobby

## Technical Specifications

|                               |   |  |  |
|-------------------------------|---|--|--|
| Model                         | FE8180  | ONVIF  | Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>   |
| <b>System Information</b>     |   | <b>Intelligent Video</b>   |  |
| CPU                           | Multimedia SoC (System-on-Chip)   | Video Motion Detection   | Five-window video motion detection   |
| Flash                         | 128MB   | <b>Alarm and Event</b>   |  |
| RAM                           | 256MB   | Alarm Triggers   | Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection |
| <b>Camera Features</b>        |   | Alarm Events   | Event notification using digital output, HTTP, SMTP, FTP and NAS server<br>File upload via HTTP, SMTP, FTP and NAS server                  |
| Image Sensor                  | 1/2.5" Progressive CMOS   | <b>General</b>   |  |
| Maximum Resolution            | 1920x1920   | Connectors   | RJ-45 cable connector for Network/PoE connection   |
| Lens Type                     | Fixed-focal   | LED Indicator  | System power and status indicator  |
| Focal Length                  | f=1.57 mm   | Power Input  | IEEE 802.3af PoE Class 1   |
| Aperture                      | F2.2  | Power Consumption  | Max. 3.6 W   |
| Field of View                 | 180° (Horizontal)<br>180° (Vertical)<br>180° (Diagonal)   | Dimensions   | Ø: 90 mm x 37 mm   |
| Shutter Time                  | 1/5 sec. to 1/32,000 sec.   | Weight   | Net: 135g  |
| WDR Technology                | WDR Enhanced  | Safety Certifications  | CE, LVD, FCC Class B, VCCI, C-Tick   |
| Minimum Illumination          | 0.18 Lux @ F2.2 (Color)   | Operating Temperature  | Starting Temperature: 0°C ~ 40°C (32°F ~ 104°F)<br>Working Temperature: -10°C ~ 40°C (14°F ~ 104°F)  |
| Pan/tilt/zoom Functionalities | ePTZ:<br>12x digital zoom (12x on IE plug-in)   | Warranty   | 24 months  |
| On-board Storage              | MicroSD/SDHC/SDXC card slot   | <b>System Requirements</b>   |  |
| <b>Video</b>                  |   | Operating System   | Microsoft Windows 8/7/Vista/XP/2000  |
| Compression                   | H.264, MJPEG  | Web Browser  | Mozilla Firefox 7-10 (Streaming only)<br>Internet Explorer 7.x, 8.x, 9.x, 10.x, 11.x   |
| Maximum Frame Rate            | 15 fps @ 1920x1920<br>30 fps @ 1920x1080<br>In both compression modes   | Other Players  | VLC: 1.1.11 or above<br>QuickTime: 7 or above  |
| Maximum Streams               | 3 simultaneous streams  | <b>Included Accessories</b>  |  |
| S/N Ratio                     | Above 62 dB   | CD   | User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software                                       |
| Dynamic Range                 | 57 dB   | Others   | Quick installation guide, warranty card, alignment sticker, screws pack, mounting bracket  |
| Video Streaming               | Adjustable resolution, quality and bitrate  | <b>Dimensions</b>  |  |
| Image Settings                | Time stamp, text overlay, flip & mirror<br>Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks<br>Scheduled profile settings, 3D noise reduction<br>Pixel calculator |  |  |
| <b>Audio</b>                  |   |  |  |
| Audio Capability              | -   |  |  |
| <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.   |  |  |
| Interface                     | 10Base-T/100 BaseTX Ethernet (RJ-45)  |  |  |

## Compatible Accessories

### Mounting Kits



**AM-712**  
Conduit box



**3 1/2" Electrical box**



**AM-216**  
15° Tilt Mount Bracket

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