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

Available from A1 Security Cameras
www.a1securitycameras.com email: sales@a1securitycameras.com
## Technical Specifications

### Model
- FE8180

### System Information
- **CPU**: Multimedia SoC (System-on-Chip)
- **Flash**: 128MB
- **RAM**: 256MB

### Camera Features
- **Image Sensor**: 1/2.5" Progressive CMOS
- **Maximum Resolution**: 1920x1920
- **Lens Type**: Fixed-focal
- **Focal Length**: f=1.57 mm
- **Aperture**: F2.2
- **Field of View**: 180° (Horizontal), 180° (Vertical), 180° (Diagonal)
- **Shutter Time**: 1/5 sec. to 1/32,000 sec.
- **WDR Technology**: WDR Enhanced
- **Minimum Illumination**: 0.18 Lux @ F2.2 (Color)
- **Pan/Tilt/zoom Functionality**: ePTZ: 12x digital zoom (12x on IE plug-in)
- **On-board Storage**: MicroSD/SDHC/SDXC card slot

### Video
- **Compression**: H.264, MJPEG
- **Maximum Frame Rate**: 15 fps @ 1920x1920, 30 fps @ 1920x1080 in both compression modes
- **Maximum Streams**: 3 simultaneous streams
- **S/N Ratio**: Above 62 dB
- **Dynamic Range**: 57 dB
- **Video Streaming**: Adjustable resolution, quality and bitrate
- **Image Settings**: 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, pixel calculator

### Network
- **Users**: Live viewing for up to 10 clients
- **Protocols**: IPv4, IPv6, TCP/IP, HTTP, HTTPS, LDP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPM, P2P, CoS, QoS, SNMP, 802.1X
- **Interface**: 10 Base-T/100 Base-TX Ethernet (RJ-45)
- **ONVIF**: Supported, specification available at www.onvif.org

### Intelligent Video
- **Video Motion Detection**: Five-window video motion detection
- **Alarm and Event**
  - **Alarm Triggers**: Video motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection
  - **Alarm Events**: Event notification using HTTP, SMTP, FTP and NAS server, file upload via HTTP, SMTP, FTP and NAS server

### General
- **Connectors**: RJ-45 cable connector for Network/PoE connection
- **LED Indicator**: System power and status indicator
- **Power Input**: IEEE 802.3af PoE Class 1
- **Power Consumption**: Max. 3.6W
- **Dimensions**: Ø: 90 mm x 37 mm
- **Weight**: Net: 135g
- **Safety Certifications**: CE, LVD, FCC Class B, VCCI, C-Tick
- **System Requirements**
  - **Operating System**: Microsoft Windows 8/7/Vista/XP/2000
  - **Web Browser**: Mozilla Firefox 7-10 (Streaming only), Internet Explorer 7.x, 8.x, 9.x,10.x,11.x
  - **Other Players**: VLC: 1.1.11 or above, QuickTime: 7 or above

### Compatible Accessories

#### Mounting Kits
- **AM-712**: Conduit box
- **3 1/2" Electrical box**: 3 1/2" Electrical box
- **AM-216**: 15° Tilt Mount Bracket

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