

# 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



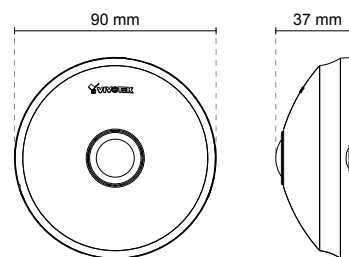
Station lobby

## Technical Specifications

Model	FE8180
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB
<b>Camera Features</b>	
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 Functionalities	ePTZ: 12x digital zoom (12x on IE plug-in)
On-board Storage	MicroSD/SDHC/SDXC card slot
<b>Video</b>	
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
<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	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 <a href="http://www.onvif.org">www.onvif.org</a>

<b>Intelligent Video</b>	
Video Motion Detection	Five-window video motion detection
<b>Alarm and Event</b>	
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
<b>General</b>	
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. 3.6 W
Dimensions	Ø: 90 mm x 37 mm
Weight	Net: 135g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	Starting Temperature: 0°C ~ 40°C (32°F ~ 104°F) Working Temperature: -10°C ~ 40°C (14°F ~ 104°F)
Warranty	24 months
<b>System Requirements</b>	
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
<b>Included Accessories</b>	
CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Others	Quick installation guide, warranty card, alignment sticker, screws pack, mounting bracket

## Dimensions



## Compatible Accessories

### Mounting Kits



**AM-712**  
Conduit box



**3 1/2" Electrical box**



**AM-216**  
15° Tilt Mount Bracket

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