

# 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

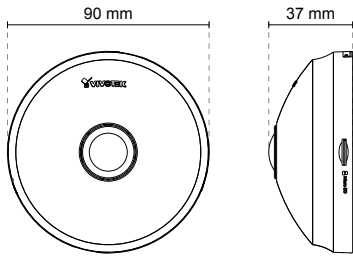


Office



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 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) 180° (Vertical) 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) Working Temperature: -10°C ~ 40°C (14°F ~ 104°F)
Pan/tilt/zoom Functionalities	ePTZ: 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) Internet Explorer 7.x, 8.x, 9.x, 10.x, 11.x
Maximum Frame Rate	15 fps @ 1920x1920 30 fps @ 1920x1080 In both compression modes	Other Players	VLC: 1.1.11 or above 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 Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3D noise reduction 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

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

Distributed by:



**VIVOTEK INC.**  
6F, No.192, Lien-Cheng Rd., Chung-Ho,  
New Taipei City, 235, Taiwan, R.O.C.  
T: +886-2-82455282 F: +886-2-82455532  
E: [sales@vivotek.com](mailto:sales@vivotek.com)

**VIVOTEK USA**  
2050 Ringwood Avenue,  
San Jose, CA 95131  
T: 408-773-8686 F: 408-773-8298  
E: [salesusa@vivotek.com](mailto:salesusa@vivotek.com)

**VIVOTEK Europe**  
Randstad 22-133, 1316BW Almere,  
The Netherlands  
T: +31(0)36-5298-434  
E: [sales europe@vivotek.com](mailto:sales europe@vivotek.com)

Ver. 9