VIVOTEK

FE8182
Fisheye Network Camera

5MP · 360˚ Surround View · Pixel Calculator · Compact Size · Recessed Mount · 3DNR · Smart Stream · WDR Enhanced

VIVOTEK's FE8182 is a Recessed-Mount fisheye network camera, featuring a detailed 5-Megapixel resolution sensor with superb image quality. A small camera with large functionality, VIVOTEK's FE8182, with a diameter of only 60 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/floor mount), the camera is able to provide full video coverage of wide, open areas, such as airport lobbies, shopping malls, retail stores, offices and more.

The FE8182 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 effortlessly zoom in and focus on a region of interest (ROI). Further, a new cutting-edge pixel calculation function helps users to ensure high image quality for a designated area.

At the darker end of the spectrum, 3D Noise Reduction Technology allows users to enjoy an increased level of image detail in extremely dim environments without consuming or wasting unreasonably high bandwidth. To dramatically reduce file sizes and conserve valuable network bandwidth, the FE8182 supports Smart Stream and industry-standard H.264 compression technology. Further, the recessed-mount design allows users to install the camera without the need for screws. The FE8182 is not just perfect for blending into any surroundings or any roof space, but also produces substantial savings on both cost and time.

Key Features

- 5-Megapixel CMOS Sensor
- 15 fps @ 1920x1920
- Fisheye Lens for 180˚ Panoramic View and 360˚ Surround View
- Built-in IEEE 802.3af Compliant PoE
- 3D Noise Reduction
- Real-time H.264 and MJPEG Compression (Dual Codec)
- Smart Stream to Optimize Bandwidth Efficiency
- WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Pixel Calculator for Image Clarity Measurement

60 mm

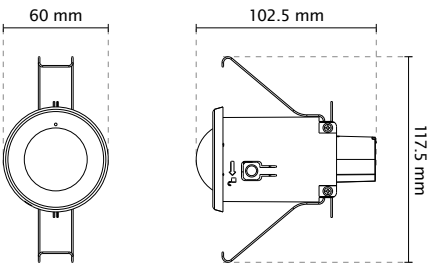The Stylish Recessed-Mount Fisheye Network Camera

Library

Bank

Retail

Office

Technical Specifications

Model	FE8182

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB

Camera Features

Image Sensor	1/3.2" Progressive CMOS
Maximum Resolution	1920x1920
Lens Type	Fixed-focal
Focal Length	f = 1.05 mm
Aperture	F2.0
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	0.6 Lux @ F2.0 (Color)
Pan/tilt/zoom Functionalities	ePTZ: 4x digital zoom IE plug-in
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	15 fps @ 1920x1920
Maximum Streams	3 simultaneous streams
S/N Ratio	64.4 dB
Dynamic Range	69.4 dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream
Image Settings	Adjustable image size, quality and bit rate; 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

Audio

Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Buit-in Microphone
Effective Range	5 Meters

Network

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, UDP, ICMP, ARP, SSL, TLS, CIFS/SMB

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 www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection

Alarm and Event

Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card

General

Connectors	RJ-45 for Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 1
Power Consumption	Max. 3 W
Dimensions	Ø 60 x 102.5 mm
Weight	133 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
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

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

Others	Quick installation guide, warranty card

Dimensions

60 mm   102.5 mm   117.5 mm

Compatible Accessories

Mounting Kits

AM-526
Pendant mount adapter for 3/4" NPT Pipe

Dome Covers

AC-228
Transparent Cover (Plastic Case)

AC-229
Transparent Cover (IK10 Case)

VIVOTEK INC.