![VIVOTEK logo] **VIVOTEK**
BUILT WITH RELIABILITY

Fisheye Network Camera
FE8174/74V

5MP • 360° Surround View • IP66 • Vandal-proof • Pixel Calculator

VIVOTEK FE8174/74V is the latest fisheye fixed dome network camera from VIVOTEK, featuring a detailed 5-Megapixel resolution sensor with superb image quality. Equipped with a fisheye lens for 180° panoramic view (wall mount) or 360° surround view (ceiling/floor/table mount) without blind spots, the camera is able to provide coverage of wide, open areas, such as airports, shopping malls, parking lots, retail stores, offices and more.

The FE8174/74V offers various display layouts, including original surround view, panoramic view, and regional view for various mounting applications. With the latest cutting-edge image processing capabilities, hemispherical images captured from the fisheye camera can be converted into conventional rectilinear projection for viewing and analysis. In addition, in both the panoramic as well as 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 calculator function helps the user to ensure the image quality of a desired area.

Features

- 5 Megapixel
- 1080p Full HD
- 1.1 mm Fisheye Lens
- Day & Night
- H.264, MPEG-4, MJPEG
- EN50155 (FE8174V)
- IK10 Vandal-proof (FE8174V)
- IP66 Weather-proof (FE8174V)
- 802.3af PoE
- On-board Storage
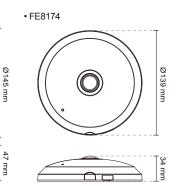- Pixel Calculator
- Local or Client Dewarp

SUPREME

Technical Specifications

Models	FE8174/74V

System Information

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

Camera Features

Image Sensor	1/2.5" Progressive CMOS in 2560 x 1920 resolution
Maximum Resolution	1920x1920
Lens Type	Fixed-focal
Focal Length	f = 1.5 mm
Aperture	F2.8
Field of View	180° (Horizontal)
	180° (Vertical)
	180° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Enhanced
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.03 Lux @ F2.8, 50 IRE (Color)
	0.001 Lux @ F2.8, 50 IRE (B/W)
Pan/tilt/zoom Functionalities	ePTZ:
	12x digital zoom (12x on IE plug-in)
On-board Storage	MicroSD/SDHC/SDXC card slot

Video

Compression	H.264, MJPEG & MPEG-4
Maximum Frame Rate	15 fps at 1920x1920
	30 fps at 1920x1080
	In all 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	Adjustable image size, quality and bit rate
	Pixel counter
	Time stamp, text overlay, flip & mirror
	Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks
	Scheduled profile settings

Audio

Audio Capability	Audio input/output (full duplex)
Compression	AAC, G.711, G.726
Interface	Built-in microphone
	External microphone input
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
Interface	10Base-T/100 BaseTX 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, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using digital output, 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
	Audio input
	Audio output
	DC 12V power input
	Digital input*1
	Digital output*1
LED Indicator	System power and status indicator
Power Input	DC 12V
	IEEE 802.3af PoE Class 2
Power Consumption	Max. 5.1 W (DC 12V)
	Max 5.3 W (PoE)
Dimensions	Ø: 145 mm x 47 mm (FE8174V)
	Ø: 139 mm x 34 mm (FE8174)
Weight	Net: 545 g (FE8174V)
	Net: 358 g (FE8174)
Casing	Vandal-proof IK10-rated metal housing (FE8174V)
	Weather-proof IP66-rated housing (FE8174V)
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, EN50155 (FE8174V), UL
Operating Temperature	Starting Temperature: -25°C ~ 50°C (-13°F ~ 122°F)
	Working Temperature: -40°C ~ 50°C (-40°F ~ 122°F)
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (Streaming only)
	Internet Explorer 7/8/9
Other Players	VLC: 1.1.11 or above
	Quicktime: 7 or above

Included Accessories

CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw driver, screws pack, I/O cable, mounting bracket, software CD

Dimensions

• FE8174V

Ø145 mm

47 mm

• FE8174

Ø139 mm

34 mm

Compatible Accessories

Mounting Kits

AM-518
Dome adapter

AM-114
Pendant head

AM-515
NPT adapter (for AM-518)

AM-115
Pendant pipe

Power Adapter

AA-221
DC 12V Power Adapter

Wireless

N600AG
Outdoor wireless access point

PoE Kits

POE-IJ-1748NDN
PoE injector, 802.3af compliant