



S series **FE8174/74V** Fisheye Network Camera



**5MP • 360° Surround View • IP66 • Vandal-proof •
Pixel Calculator • PPTZ • EN50155 Compliance**

VIVOTEK's 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 FE8174V 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. Both are compatible with VIVOTEK's Panoramic PTZ solution, allowing users to simultaneously monitor an area overview from a fisheye model while providing a detailed regional view from a speed dome camera. 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.

As with all VIVOTEK true day/night cameras, the FE8174/74V features a removable IR-cut filter, maintaining clear images 24 hours a day. The FE8174V's IP66-rated housing is designed to help the camera body withstand rain and dust and ensures operation under a multitude of harsh weather conditions; additionally, the vandal-proof IK10-rated housing effectively provides robust protection from physical damage. Together with 802.3af compliant PoE, MicroSD/SDHC/SDXC card slot for on-board storage, EN50155 mobile surveillance and iPad applications, the FE8174V is indisputably the top choice for constructing a robust surveillance system with the greatest coverage possible.

Features

- 5-Megapixel CMOS Sensor
- 30 fps @ 1080p Full HD
- 1.5 mm Fisheye Lens for 180° Panoramic View and 360° Surround View
- Removable IR-cut Filter for Day & Night Function
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- EN50155 Compliance for Professional Mobile Surveillance (FE8174V)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Panoramic PTZ Function with Speed Dome Camera for monitoring detailed regional view
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing (FE8174V)
- ePTZ for Data Efficiency
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Pixel Calculator for Image Clarity Measurement
- Support Local or Client Side Dewarping



Technical Specifications

Models	FE8174/74V	Alarm and Event	
System Information		Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
CPU	Multimedia SoC (System-on-Chip)	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and SD Card File upload via HTTP, SMTP, FTP, NAS server and SD Card
Flash	128 MB	General	
RAM	256 MB	Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1
Camera Features		LED Indicator	System power and status indicator
Image Sensor	1/2.5" Progressive CMOS in 2560 x 1920 resolution	Power Input	DC 12V IEEE 802.3af PoE Class 2
Maximum Resolution	1920x1920	Power Consumption	Max. 5.1 W (DC 12V) Max. 5.3 W (PoE)
Lens Type	Fixed-focal	Dimensions	Ø 145 x 47 mm (FE8174V) Ø 139 x 34 mm (FE8174)
Focal Length	f = 1.5 mm	Weight	Net: 545 g (FE8174V) Net: 358 g (FE8174)
Aperture	F2.8	Casing	Vandal-proof IK10-rated metal housing (FE8174V) Weather-proof IP66-rated housing (FE8174V)
Field of View	180° (Horizontal) 180° (Vertical) 180° (Diagonal)	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, EN50155 (FE8174V), UL
Shutter Time	1/5 sec. to 1/32,000 sec.	Operating Temperature	Starting Temperature: -25°C ~ 50°C (-13°F ~ 122°F) Working Temperature: -40°C ~ 50°C (-40°F ~ 122°F)
WDR Technology	WDR Enhanced	Warranty	36 months
Day/Night	Removable IR-cut filter for day & night function	System Requirements	
Minimum Illumination	0.03 Lux @ F2.8, 50 IRE (Color) 0.001 Lux @ F2.8, 50 IRE (BW)	Operating System	Microsoft Windows 7/Vista/XP/2000
Pan/tilt/zoom Functionalities	ePTZ: 12x digital zoom (12x on IE plug-in)	Web Browser	Mozilla Firefox 7~43 (Streaming only) Internet Explorer 7/8/9
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Video		Included Accessories	
Compression	H.264, MJPEG & MPEG-4	CD	User's manual, quick installation guide, Installation Wizard 2, VAST 32-channel recording software
Maximum Frame Rate	15 fps @ 1920x1920 30 fps @ 1920x1080 In all compression modes	Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw driver, screws pack, I/O cable (sold separately in US and Canada), mounting bracket, software CD
Maximum Streams	3 simultaneous streams		
S/N Ratio	Above 62 dB		
Dynamic Range	57 dB		
Video Streaming	Adjustable image size, quality and bit rate; Pixel counter; Time		
Image Settings	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	Two-way Audio (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, ARP, SSL, TLS		
Interface	10Base-T/100BaseTX Ethernet (RJ-45) *It is highly recommended to use standard Cat. 5e & Cat. 6 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		

Compatible Accessories

Mounting Kits



AM-520
Mounting Adapter

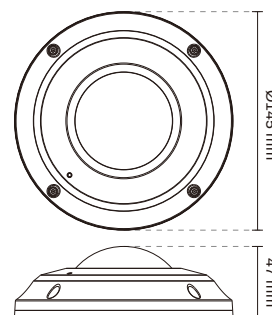
Power Adapter



AA-221
DC 12V Power Adapter

Dimensions

• FE8174V



• FE8174

