



Fisheye Network Camera SF8174/74V



5MP • 360° Surround View • IP66 •
IK10 • Pixel Calculator • Panoramic PTZ

VIVOTEK SF8174/74V are the latest fisheye fixed dome network cameras featuring a detailed 5-Megapixel resolution sensor with superb image quality. Equipped with a fisheye lens for 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.

As with all VIVOTEK true day/night cameras, the SF8174/74V feature removable IR-cut filters, maintaining clear images 24 hours a day. SF8174V'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 and EN50155 (SF8174V only), the SF8174/74V are indisputably the top choice for constructing a robust surveillance system with the greatest coverage possible.

Moreover, SF8174/74V are compatible with the VIVOTEK Panoramic PTZ solution. Panoramic PTZ is a groundbreaking new technology developed by VIVOTEK for monitoring open areas with extreme detail. This feature is realized through the synergy of a VIVOTEK megapixel fisheye camera with a speed dome camera, and allows users to simultaneously monitor an area overview from a fisheye model while providing the capability for a detailed regional view from a speed dome. Suitable applications for Panoramic PTZ include department stores, station lobbies, airports, parking lots, and any wide open areas where comprehensive video surveillance systems and the capability for extreme video detail are essential.

Features

- 5-Megapixel CMOS Sensor
- 30 fps @ 1080p Full HD
- 1.5 mm Fisheye Lens for 180° Panoramic View and 360° Surround View
- Panoramic PTZ Function with Speed Dome Camera for monitoring detailed regional view.
- Removable IR-cut Filter for Day & Night Function
- EN50155 Compliance for Professional Mobile Surveillance (SF8174V)
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing (SF8174V)
- 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



SUPREME

Technical Specifications

Model	SF8174/74V		
System Information			
CPU	Multimedia SoC (System-on-Chip)		
Flash	128 MB		
RAM	128 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	0.5 Lux @ F2.8, 30 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	H.264: 15 fps at 1920x1920 30 fps at 1920x1080 MPEG-4: 15 fps at 1920x1920 30 fps at 1920x1080 MJPEG: 15 fps at 1920x1920 30 fps at 1920x1080		
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/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		
		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 (SF8174V) Ø: 139 mm x 34 mm (SF8174)
		Weight	Net: 545 g (SF8174V) Net: 358 g (SF8174)
		Casing	Vandal-proof IK10-rated metal housing (SF8174V) Weather-proof IP66-rated housing (SF8174V)
		Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, EN50155 (SF8174V), 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 7/8/9/10
		Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
		Included Accessories	
		CD	User's manual, quick installation guide, Installation Wizard 2, VAST CMS (90-day free trial version)
		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
Dimensions			
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Compatible Accessories

Ceiling Mount (P/N: 100113400G)



AM-114
Pendant Head
for Fisheye



AM-51A
Dome Adaptor



AM-114
Pendant Head
for Speed Dome



AM-212
Wall Mount Bracket



AM-51A
Dome Adaptor



AM-117
Pendant Pipe
for Fisheye



AM-517
Adaptor Ring



AM-116
Pendant Pipe
for Speed Dome



AM-116
Pendant Pipe



AM-517
Adaptor Ring

Wall Mount (P/N: 100113300G)

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