

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 Compatible
- 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









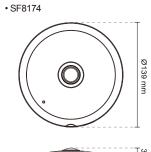
### **Technical Specifications**

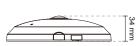
Model  System Information  CPU Flash RAM  Camera Features  Image Sensor Maximum Resolution Lens Type Focal Length Aperture Field of View	SF8174/74V  Multimedia SoC (System-on-Chip) 128 MB 128 MB 172.5" Progressive CMOS in 2560 x 1920 resolution 1920x1920 Fixed-focal
CPU Flash RAM  Camera Features Image Sensor Maximum Resolution Lens Type Focal Length Aperture	128 MB 128 MB 1/2.5" Progressive CMOS in 2560 x 1920 resolution 1920x1920
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Image Sensor Maximum Resolution Lens Type Focal Length Aperture	1920x1920
Maximum Resolution Lens Type Focal Length Aperture	1920x1920
Lens Type Focal Length Aperture	
Focal Length Aperture	Fixed-local
Aperture	f = 1.5 mm
•	F2.8
I ICIG OI VICW	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 ONVIF	QoS, SNMP, 802.1X, UDP, ICMP 10Base-T/100 BaseTX Ethernet (RJ-45) Supported, specification available at www.onvif.org

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 Web Browser	Microsoft Windows 7/Vista/XP/2000  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, mounting bracket, software CD

### **Dimensions**

# • SF8174V Ø145 mm 47 mm





### **Compatible Accessories**

### Ceiling Mount (P/N: 100113400G)



Video Motion Detection

AM-114 Pendant Head for Fisheye



Five-window video motion detection

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

Wall Mount (P/N: 100113300G)



AM-517 Adaptor Ring

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