



S series **FE9181-H**
S series **FE9381-EHV**
Fisheye Network Camera



H.265 · 5MP · 360° Surround View · Smart Stream II · WDR Pro · 3DNR · IP66 · IK10 · EN50155 Compliance · Pixel Counter · Defog

VIVOTEK's FE9181-H and FE9381-EHV are two unique H.265 fisheye fixed dome network cameras, both featuring a detailed 5-Megapixel CMOS sensor that produces superb image clarity. By employing H.265 compression technology and VIVOTEK's Smart Stream II technology, these cameras can reduce both bandwidth and storage consumption by up to 80%* while retaining the highest standard of image quality.

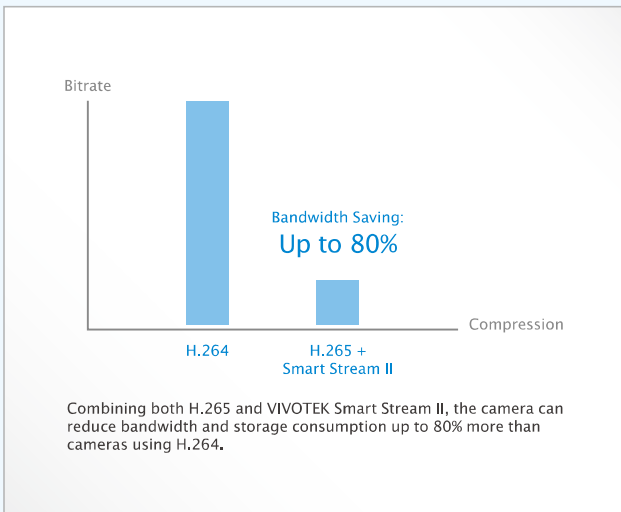
Equipped with a fisheye lens for 180° panoramic view (wall mount) or 360° surround view (ceiling/floor mount) with zero blind spots, the cameras are able to provide coverage of wide, open areas, such as airports, shopping malls, retail stores, offices and more.

The FE9181-H and the FE9381-EHV are both equipped with a removable IR-cut filter and WDR Pro technology, empowering the cameras to maintain optimal image quality around the clock and unparalleled visibility in high-contrast lighting environments. Moreover, the FE9381-EHV is designed with full EN50155 compliance, vandal-proof IK10-rated, and weather-proof IP66-rated housing, ensuring that the camera can withstand shock, vibration, humidity, dust, and temperature fluctuations, and maintain stable and reliable video capture during vehicle movement.

* Depending on scene being monitored.

Key Features

- H.265 Compression Technology
- 5-Megapixel CMOS Sensor
- 30 fps @ 1920x1920
- 1.47 mm Fisheye Lens for 180° Panoramic View and 360° Surround View
- Removable IR-cut Filter for Day & Night Function
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Smart Stream II to Optimize Bandwidth Efficiency
- EN50155 Compliance for Professional Mobile Surveillance (FE9381-EHV)
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing (FE9381-EHV)
- ePTZ for Data Efficiency
- Built-in 802.3af Compliant PoE
- Support Client Side Dewarping
- Pixel Counter for Image Clarity Measurement



Lobby



Shopping Mall



Retail

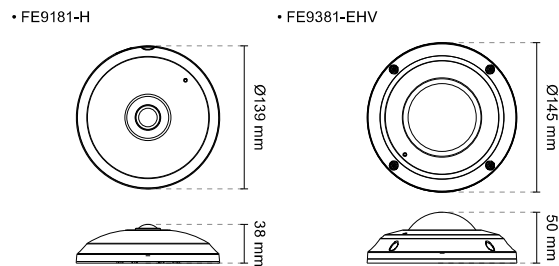


Airport

Technical Specifications

Model	FE9181-H: WDR Pro FE9381-EHV: WDR Pro, IP66, IK10, EN50155, Extreme Weather	Alarm and Event	
System Information		Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio 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	128MB	General	
RAM	512MB	Connectors	RJ-45 cable connector for Network/PoE connection Audio input*1 Audio output*1 DC 12V power input*1 Digital input*1 Digital output*1
Camera Features		LED Indicator	System power and status indicator
Image Sensor	1/1.8" Progressive CMOS in 3096x2094	Power Input	DC 12V IEEE 802.3af PoE Class 0
Maximum Resolution	1920x1920	Power Consumption	FE9181-H: Max. 5.5 W FE9381-EHV: Max. 13 W
Lens Type	Fixed-focal	Dimensions	FE9181-H: Ø 139 x 38 mm FE9381-EHV: Ø 145 x 50 mm
Focal Length	f = 1.47 mm	Weight	FE9181-H: 345 g FE9381-EHV: 548 g
Aperture	F2.2	Casing	FE9381-EHV: Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
Field of View	180° (Horizontal) 180° (Vertical) 180° (Diagonal)	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL, EN50155 (FE9381-EHV)
Shutter Time	1/5 sec. to 1/32,000 sec.	Operating Temperature	FE9181-H: Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F) FE9381-EHV: Starting Temperature: -25°C ~ 55°C (-13°F ~ 131°F) Working Temperature: -40°C ~ 55°C (-40°F ~ 131°F)
WDR Technology	WDR Pro	Humidity	90%
Day/Night	Removable IR-cut filter for day & night function	Warranty	36 months
Minimum Illumination	0.18 Lux @ F2.2 (Color) 0.001 Lux @ F2.2 (B/W)	System Requirements	
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	Operating System	Microsoft Windows 8/7/Vista/XP/2000
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Web Browser	Mozilla Firefox 7~10 (Streaming only) Internet Explorer 7/8/9/10/11
Video		Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Compression	H.265, H.264, MJPEG	Included Accessories	
Maximum Frame Rate	H.265 & H.264: 30 fps @ 1920x1920 MJPEG: 12 fps @ 1920x1920	CD	User's manual, quick installation guide, Installation Wizard 2, VAST
Maximum Streams	4 simultaneous streams	Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw driver, screws pack, I/O cable, mounting bracket, software CD
S/N Ratio	42.3 dB		
Dynamic Range	100 dB		
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II		
Image Settings	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; Adjustable image size, quality and bit rate, defog; Pixel counter		
Audio			
Audio Capability	Two-way audio (full duplex)		
Compression	G.711, G.726		
Interface	Built-in microphone External microphone input External line output		
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, NTCIP		
Interface	10 Base-T/100 Base-TX 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		

Dimensions



Compatible Accessories

Mounting Kits



AM-514
Adapter Ring for
FE9181-H



AM-520
Mounting Adapter