



FE9382-EHV-v2

Fisheye Network Camera

6MP • 360° Fisheye • WDR Pro • 360° 20M IR • Smart IR • Smart Stream III • IP66
• IK10 • NEMA 4X

- H.265 Compression Technology
- 30 fps @ 2048x2048
- SNV (Supreme Night Visibility) for Low Light Conditions
- Smart Stream III to Optimize Bandwidth Efficiency
- WDR Pro for Improved Visibility in Extremely Bright and Dark Environments
- 360° 20M IR with Smart IR II
- Smart Motion Detection to Reduce False Alarms
- Smart VCA (Intrusion Detection, Crowd Detection, Loitering Detection)
- Trend Micro IoT Security
- Built-in Microphone
- Weather-proof IP66-rated and Vandal-proof IK10/NEMA 4X-rated Housing





Overview

The new 6-Megapixel FE9382-EHV-v2 is the latest update to an already stellar VIVOTEK 360° fisheye product line. The FE9382-EHV-v2 is a true day/night camera, with a removable IR-cut filter and 360° IR illumination up to 20 meters radius with Smart IR II technology. It supports up to 30fps at full 6MP resolution as well as WDR Pro 120dB to maintain excellent image quality in high contrast lighting environments. These features greatly enable the FE9382-EHV-v2 to provide clear images 24 hours a day.

To meet the demands of any harsh outdoor application, the FE9382-EHV-v2 is also armed with an IP66-rated housing for protection from rain and dust, as well as IK10-rated for robust protection against acts of vandalism. With added NEMA 4X protection, even more extreme offshore applications will not be an issue.

Lastly the FE9382-EHV-v2 comes fully equipped with VIVOTEK's Smart VCA (Video Content Analysis). With AI based deep-learning and Smart Motion Detection, Smart VCA will enable users to quickly and accurately detect event triggers such as line crossing and missing objects alerts. This suite of analytic functions is only available on our SUPREME line of products.

Technical Specifications

System Information

Model	FE9382-EHV-v2
CPU	Multimedia SoC (System-on-Chip)
Flash	8GB
RAM	2GB

Camera Features

Image Sensor	1/1.8" Progressive CMOS
Max. Resolution	2048x2048
Lens Type	Fixed-focal
Focal Length	f = 1.245 mm
Aperture	F1.6
Auto-iris	Fixed-iris
Field of View	180° (Horizontal) 180° (Vertical) 180° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
IR Illuminators	Built-in IR illuminators, effective up to 20 meters with Smart IR, IR LED*4
Minimum Illumination	0.065 Lux @ F1.245 (Color) <0.001 lux @ F1.245 (B/W) 0 Lux with IR illumination on
Pan/Tilt/Zoom Functionalities	ePTZ: 12x digital zoom (12x on IE plug-in)
On-board Storage	Seamless Recording to MicroSD/SDHC/SDXC card slot and recording to network-attached storage (NAS)

Video

Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2048x2048
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	69.6 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bit rate control, Smart Stream III
Image Settings	General settings: video title and time stamp overlay, video orientation (flip, mirror), day/night settings; Illuminators: illuminators, anti-overexposure; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Privacy mask; Scheduled profile settings

Audio

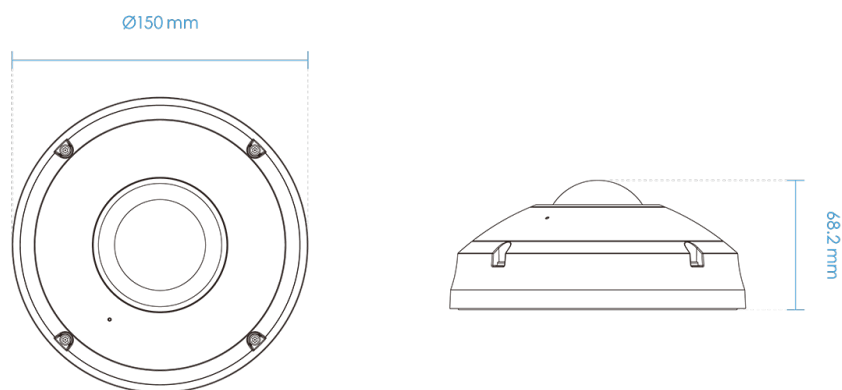
Audio Capability	Two-way Audio
Audio Compression	G.711, G.726
Audio Interface	Built-in microphone *External microphone input *External line output
Effective Range	5 meters

Network

Security	Access list, digest authentication, HTTPS , IEEE 802.1x, Password protection, secure boot, SFTP, signed firmware, SSL/TLS, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management
Users	Live viewing for up to 10 clients
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP/SFTP, HTTP/HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL/TLS, TCP/IP, UDP, UPnP

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	Profile G, S, T supported, specification available at www.onvif.org
Solution Integration	
Video Motion Detection	Five-window video motion detection
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, crowd detection
VADP Package	Deep Learning VCA (Smart Motion Detection, Smart VCA), Stratocast, Trend Micro IoT Security
Alarm and Event	
Alarm Triggers	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot
Alarm Events	Event notification via audio clip, digital output, email, HTTP, FTP/SFTP, NAS server, SD card File upload via email, HTTP, FTP/SFTP, NAS server, SD card
General	
Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection Built-in Microphone *Optional cable by request (DC 12V power input, audio line input, audio line output, digital input*1, digital output*1)
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max. 12.5 W (IR on) Max. 5 W (IR off)
Dimensions	Ø 150 x 68.2 mm
Weight	701 g
Casing	IP66, IK10 (Metal Housing), NEMA 4X
Safety Certifications	EMC: CE (EN55032, EN55024 Class A, EN50121-4), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR32 Class A), VCCI (VCCI-CISPR 32 Class A); Safety: UL (UL62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471); Environment: IK10 (IEC 62262), IP66 (IEC 60529); NEMA (NEMA 250 Type 4X) IA: BIS (IS 13252), BSMI (EMC: CNS 13438, Safety: CNS 14336-1)
Operating Temperature	Starting Temperature: -20°C ~ 55°C (-4°F ~ 131°F) Working Temperature: -40°C ~ 55°C (-40°F ~ 131°F)
Humidity	90%
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above
Included Accessories	
Others	Quick installation guide, alignment sticker, screw pack, warranty card, desiccant bag

Dimensions



Compatible Accessories

Mounting Kits



AM-525
Mounting Adapter