



# S series FE9582-EHNV

## Fisheye Network Camera



H.265 · 5MP · 360° Surround View · WDR Pro · 360° 10M IR · Smart Stream III · IP66 · IK10 · EN50155 · EN45545

VIVOTEK's FE9582-EHNV is a fisheye network camera fine-tuned for the transportation industry. Based on the popular FE9382-EHV outdoor fisheye, the FE9582-EHNV features the same detailed 5-Megapixel CMOS sensor for superb image clarity. The FE9582-EHNV also maintains the same IP66/IK10 housing, WDR Pro, and world class dewarping PTZ functionality, but then adds these new features specifically for transportation.

Already EN50155 certified, the FE9582-EHNV now adds EN45545 certification for fire safety in rolling stock. The FE9582-EHNV swaps out the RJ45 connector in favor of a 4-pin D-coded M12 connector, more commonly associated with ethernet connections in buses and trains. Lastly, the FE9582-EHNV utilizes 940nm IR illuminators instead of the more common 850nm IR's. By using invisible 940nm IR illumination

at night, the FE9582-EHNV is less noticeable and bothersome to sleeping passengers trying to rest between destinations, yet still allows the camera to keep constant surveillance 24/7.

Additionally, the FE9582-EHNV employs VIVOTEK's Smart Stream III technology and H.265 compression codec, reducing bandwidth more than 90%\* while still maintaining excellent image quality compared to traditional H.264 without smart streaming.

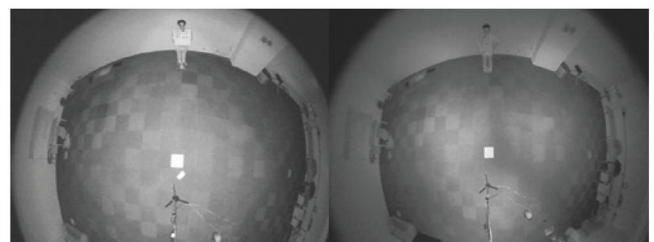
\* Depending on scenes.

## Key Features

- H.265 Compression Technology
- 5-Megapixel CMOS Sensor
- 30 fps @ 1920x1920
- 180° Panoramic View and 360° Surround View
- Removable IR-cut Filter for Day & Night Function
- 940nm IR Illuminators, effective up to 10 meters
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Smart Stream III to Optimize Bandwidth Efficiency
- ePTZ for Data Efficiency
- 4-Pin D-coded M12 Connector
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing
- EN50155 and EN45545 Certified
- Support Client Side Dewarping
- Pixel Counter for Image Clarity Measurement



Transportation



IR with High Uniformity

IR with Low Uniformity

## Technical Specifications

Model	FE9582-EHNV	Compression	G.711, G.726
<b>System Information</b>		Interface	Built-in microphone External microphone input External line output
CPU	Multimedia SoC (System-on-Chip)	Effective Range	5 meters
Flash	128MB	<b>Network</b>	
RAM	512MB	Users	Live viewing for up to 10 clients
<b>Camera Features</b>		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, CIFS/SMB
Image Sensor	1/1.8" Progressive CMOS in 3096x2094	Interface	10 Base-T/100 Base-TX Ethernet (M12, Female, 4pin D-coded)
Maximum Resolution	1920x1920	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
Lens Type	Fixed-focal	<b>Intelligent Video</b>	
Focal Length	f = 1.47 mm	Video Motion Detection	Five-window video motion detection
Aperture	F2.2	<b>Alarm and Event</b>	
Field of View	180° (Horizontal) 180° (Vertical) 180° (Diagonal)	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Shutter Time	1/5 sec. to 1/32,000 sec.	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD Card
WDR Technology	WDR Pro	<b>General</b>	
Day/Night	Removable IR-cut filter for day & night function	Connectors	M12 4-pin connector Audio input*1 Audio output*1 DC 12V power input*1 Digital input*1 Digital output*1
Minimum Illumination	0.18 Lux @ F2.2 (Color) 0.001 Lux @ F2.2 (B/W)	LED Indicator	System power and status indicator
Pan/Tilt/Zoom Functionalities	ePTZ: 12x digital zoom (12x on IE plug-in)	Power Input	DC 12V IEEE 802.3at PoE Class 4
IR Illuminators	Built-in IR illuminators, effective up to 10 meters 940nm IR LED*6	Power Consumption	Max. 20 W
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Dimensions	Ø 160 x 51 mm
<b>Video</b>		Weight	762 g
Compression	H.265, H.264, MJPEG	Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
Maximum Frame Rate	H.265/H.264: 30 fps @ 1920x1920 MJPEG: 12 fps @ 1920x1920	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL, EN50155, EN45545
Maximum Streams	4 simultaneous streams	Operating Temperature	Starting Temperature: -25°C ~ 55°C (-13°F ~ 131°F) Working Temperature: -40°C ~ 55°C (-40°F ~ 131°F)
S/N Ratio	42.3dB	Humidity	90%
Dynamic Range	100dB	Warranty	36 months
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream III		
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 calculator		
<b>Audio</b>			
Audio Capability	Two-way audio		

# Technical Specifications

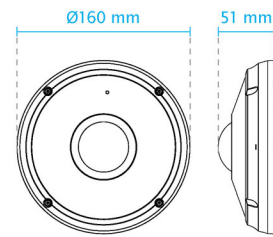
## System Requirements

Operating System	Microsoft Windows 7/8
Web Browser	Mozilla Firefox 7~43 (Streaming only) Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

## Included Accessories

Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw driver, screws pack, I/O cable, mounting bracket
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## Dimensions



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