VIVOTEK

FD9387-HV
FD9387-EHV

Fixed Dome Network Camera

2MP 60fps • SNV • WDR Pro • Smart Stream III • Smart IR • 30M IR • IP67 • IK10 • -50°C ~ 60°C

VIVOTEK FD9387 is a series of outdoor dome network camera offering up to 30 fps @ 5-Megapixel or 60 fps @ full HD sensor with superb image quality at all resolutions or frame rates. And FD9387 Series also supports standard 1920x1080 resolution at 60 frames per second. Featuring VIVOTEK SNV and WDR Pro technology, FD9387 Series is capable of capturing high quality image whether in high contrast or low light environment.

The FD9387 series offers fixed lens for different user scenario. IR illuminators are equipped with 30 meter effective range for better night visibility. For harsh outdoor environment, FD9387 series is encased in IP66, IP67 and IK10 housing.

Employing VIVOTEK's Smart Stream III technology and H.265 codec support, the FD9387 Series reduces bandwidth up to 90%* while keeping great image quality. Additionally, VIVOTEK VADP (VIVOTEK Application Development Platform) allows users to add customized application for various application and user scenarios. Protecting all these features is the FD9387's IP66, IP67 and IK10 rated housing, capable of operating from -50°C to 60°C (FD9387-EHV)

* Depending on scenes

Key Features

· 30fps @ 1920x2560, 60 fps @ 1920x1080
· H.265 Compression Technology
· Smart Stream III to Optimize Bandwidth Efficiency
· SNV (Supreme Night Visibility) for Low Light Conditions
· WDR Pro to Provide Extreme Visibility in Extremely Bright or Dark Environments
· Built-in IR illuminators, effective up to 30 meters with Smart IR
· Smart Motion Detection to Reduce False Alarms
· Trend Micro IoT Security within Standard Warranty Period
· Weather-proof IP66, IP67 and Vandal-proof IK10-rated Housing
· -50°C ~ 60°C Wide Temperature Range for Extreme Weather Conditions (FD9387-EHV)

Without WDR Pro   With WDR Pro

Bitrate

Bandwidth Saving more than 90%

H.264   H.265 + Smart Stream III   Compression
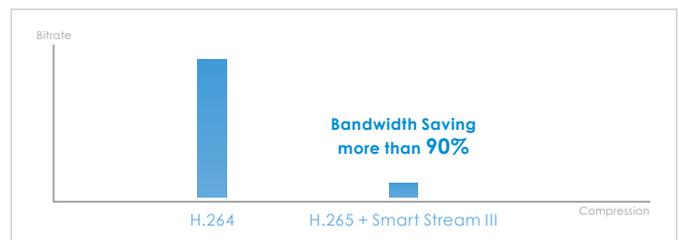
H.265 + Smart Stream III, Ultra-low Bandwidth

Technical Specifications

Model	FD9387-HV: Fixed-focal FD9387-EHV: Fixed-focal, -50°C ~ 60°C

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	256MB
RAM	1GB

Camera Features

Image Sensor	1/2.7" Progressive CMOS
Maximum Resolution	2560x1920 (5MP)
Lens Type	Fixed-focal
Focal Length	f= 2.8 mm
Aperture	F2.0
Auto-iris	Fixed-iris
Field of View	103° (Horizontal) 76° (Vertical) 134° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
Minimum Illumination	0.06 Lux @ F2.0 (Color) <0.01 lux, F2.0 (B/W) 0 Lux with IR illumination on
Pan Range	350°
Tilt Range	80°
Rotation Range	180°
Pan/Tilt/Zoom Functionalities	ePTZ:48x digital zoom (4x on IE plug-in, 12x built-in)
IR Illuminators	Built-in IR illuminators up to 30 meters with Smart IR, IR LED*2
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	54 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, 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, video rotation, 3DNR, DIS, HLC

Audio

Audio Capability	Two-way Audio (full duplex)
Compression	G.711, G.726
Interface	External microphone input External line output

Network

Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, CIFS/SMB, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL/TLS
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

Smart Motion Detection	Five-window video motion detection, human detection, time filter
VCA	Line crossing detection, field detection, loitering detection

Alarm and Event

Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
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

General

Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection Audio line input Audio line output AC 24V power input DC 12V power input Digital input *1 Digital output *1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 4 AC 24V* DC 12V *By Project Request
Power Consumption	PoE: Max. 4.6 W (Heater off) Max. 11.9 W (Heater on) AC 24V*: Max. 7.5 W (Heater off) Max. 21 W (Heater on) DC 12V: Max. 4.1 W (Heater off) Max. 10.6 W (Heater on) *By Project Request
Dimensions	155 x 104 mm
Weight	909 g
Casing	IP66, IP67, IK10 (Metal Housing)

Technical Specifications

Safety Certifications	CE, FCC Class B, UL, LVD, VCCI, C-Tick
Operating Temperature	FD9387-HV: Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F) FD9387-EHV: Starting Temperature: -40°C ~ 60°C (-40°F ~ 140°F) Working Temperature: -50°C ~ 60°C (-58°F ~ 140°F)
Humidity	90%
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 8/7
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, alligment sticker, screw pack, conduit ring

Dimensions

Ø 155 mm

104 mm
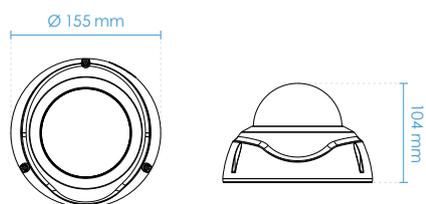
Compatible Accessories

Mounting Kits

AM-21A	AM-51C	AM-525	AM-713(v01)
L-shape Bracket	Adapting Plate	Mounting Adapter	Outdoor Conduit Box