VIVOTEK

FD9387-HTV
FD9387-EHTV

Fixed Dome Network Camera

5MP 30fps • 2MP 60fps • SNV • WDR Pro • Smart Stream III •
Smart IR II • 50M 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 remote focus lens for different user scenario. IR illuminators are equipped with 50 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-EHTV).
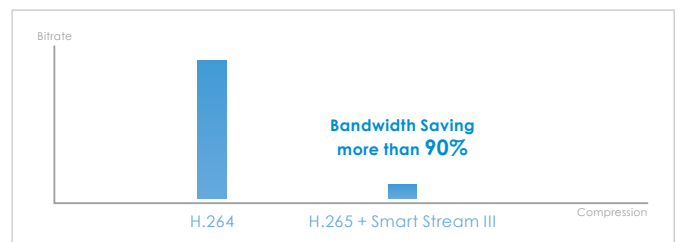
* Depending on scenes

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 50 meters with Smart IR II
· 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-EHTV)

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-HTV: Vari-focal, Remote Focus FD9387-EHTV: Vari-focal, Remote Focus, -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	Vari-focal, Remote Focus
Focal Length	f= 2.7 ~ 13.5 mm
Aperture	F1.4 ~ F2.8
Auto-iris	P-iris
Field of View	30 ~ 100° (Horizontal) 23 ~ 72°(Vertical) 38 ~ 135° (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 @ F1.4 (Color) <0.01 lux, F1.4 (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 50 meters with Smart IR II, IR LED*4
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	52 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	Built-in microphone 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	Standard VCA (optional) *Including line crossing detection, field detection, loitering detection
VADP Package	Genetec package, Trend Micro IoT Security, Stratocast, Smart Motion 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 (optional) DC 12V power input Digital input *1 Digital output *1
LED Indicator	System power and status indicator
Power Input	FD9387-HTV: IEEE 802.3af PoE Class 0 DC 12V AC 24V (optional) (Redundant Power) FD9387-EHTV: IEEE 802.3at PoE Class 4 DC 12V AC 24V (optional) (Redundant Power)

Technical Specifications

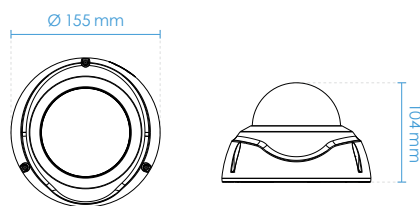|	
Power Consumption	FD9387-HTV: PoE: Max. 11.4 W DC 12V: Max. 10.4 W AC 24V: Max. 10.56 W FD9387-EHTV: PoE: Max. 24.7/11.4 W (Heater on/off) DC 12V: Max. 22.3/10.4 W (Heater on/off) AC 24V: Max. 23.15/10.56 W (Heater on/off)
Dimensions	155 x 104 mm
Weight	909 g
Casing	IP66, IP67, IK10 (Metal Housing)
Safety Certifications	CE, FCC Class B, UL, LVD, VCCI, C-Tick
Operating Temperature	FD9387-HTV: Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F) FD9387-EHTV: 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, alignment sticker, screw pack, conduit ring

Dimensions

Ø 155 mm

104 mm

Compatible Accessories

Mounting Kits

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