FD9387-HTV
Fixed Dome Network Camera

5MP 30fps • 2MP 60fps • SNV • WDR Pro • Smart Stream III • Smart IR II • 50M IR • IP67 • IK10

- 30 fps @ 2560x1920, 60 fps @ 1920x1080
- H.265 Compression Technology
- Smart Stream III to Optimize Bandwidth Efficiency
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Unparalleled Visibility in Extremely Bright and 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
- Weather-proof IP66, IP67 and Vandal-proof IK10-rated Housing
Technical Specifications

System Information

Model: FD9387-HTV
CPU: Multimedia SoC (System-on-Chip)
Flash: 256MB
RAM: 1GB

Camera Features

Image Sensor: 1/2.7" Progressive CMOS
Max. Resolution: 2560x1920 (5MP)
Lens Type: Motorized, Vari-focal, Remote Focus
Focal Length: f = 2.7 – 13.5 mm
Aperture: F1.4 – F2.8
Auto-iris: P-iris
Field of View:
- Horizontal: 30° – 100°
- Vertical: 23° – 72°
- Diagonal: 38° – 135°
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 50 meters with Smart IR II, IR LED*4
Minimum Illumination:
- Color: 0.06 Lux @ F1.4
- Black & White: <0.01 Lux, F1.4
- 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)
On-board Storage: Slot type: MicroSD/SDHC/SDXC card slot

Video

Video Compression: H.265, H.264, MJPEG
Maximum Frame Rate:
- 30 fps @ 2560x1920
- 30 fps @ 2560x1440
- 60 fps @ 1920x1080
Maximum Streams: 3 simultaneous streams
S/N Ratio: 52 dB
Dynamic Range: 120 dB
Video Streaming: Adjustable resolution, quality and 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, defog, deblur, metering

Audio

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

Network

Users: Live viewing for up to 10 clients
Protocols:
- IPv4, IPv6, NTP, PPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, 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

Supported, specification available at [www.onvif.org](http://www.onvif.org)

### Solution Integration

#### Smart Motion Detection

Five-window video motion detection, human detection, time filter

#### Smart VCA

Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection

*Please access [http://license.vivotek.com/](http://license.vivotek.com/) to get the free trial license.

#### VADP Package

Stratocast, Trend Micro IoT Security, Deep Learning VCA (Smart Motion Detection, Smart VCA)

### Alarm and Event

#### Alarm Triggers

Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, shock detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)

#### Alarm Events

Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

### General

#### Connectors

- RJ-45 cable connector for 10/100Mbps Network/PoE connection
- Audio line input
- AC 24V power input (optional)
- DC 12V power input
- Digital input *1
- Digital output *1

#### LED Indicator

- System power and status indicator

#### Power Input

- IEEE 802.3af PoE Class 0
- DC 12V
- AC 24V (optional) *(Redundant Power)*

#### Power Consumption

- PoE: Max. 11.4 W
- DC 12V: Max. 10.4 W
- AC 24V: Max. 10.56 W

#### Dimensions

- Ø 155 x 104 mm

#### Weight

- 909 g

#### Casing

- IP66, IP67, IK10

#### Safety Certifications

- CE, FCC Class B, UL, LVD, VCCI, C-Tick

#### Operating Temperature

- Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F)
- Working Temperature (IR off): -30°C ~ 60°C (-22°F ~ 122°F)
- Working Temperature (IR on): -30°C ~ 50°C (-22°F ~ 122°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, warranty card, alignment sticker, screw pack, conduit ring
Dimensions

Ø 155 mm

104 mm