

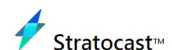


# FD9360-H

Fixed Dome Network Camera

2MP • SNV • WDR Pro • Smart IR • 30M IR • Smart Stream III • IP66

- H.265 Compression Technology
- 30 fps @ 1920x1080 (WDR Pro on)
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments
- Smart Stream III to Optimize Bandwidth Efficiency
- Built-in IR Illuminators, Effective up to 30 Meters
- Trend Micro IoT Security
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage





# Technical Specifications

## System Information

|       |                                      |
|-------|--------------------------------------|
| Model | FD9360-H (2.8mm)<br>FD9360-H (3.6mm) |
| CPU   | Multimedia SoC (System-on-Chip)      |
| Flash | 128 MB                               |
| RAM   | 256 MB                               |

## Camera Features

|                               |                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                  | 1/2.9" Progressive CMOS                                                                                                                                |
| Max. Resolution               | 1920x1080 (2MP)                                                                                                                                        |
| Lens Type                     | Fixed-focal                                                                                                                                            |
| Focal Length                  | FD9360-H(2.8mm): f = 2.8 mm<br>FD9360-H(3.6mm): f = 3.6 mm                                                                                             |
| Aperture                      | F2.0                                                                                                                                                   |
| Iris Type                     | Fixed iris                                                                                                                                             |
| Field of View                 | FD9360-H(2.8mm):<br>109° (Horizontal)<br>59° (Vertical)<br>129° (Diagonal)<br>FD9360-H(3.6mm):<br>81° (Horizontal)<br>44° (Vertical)<br>95° (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 30 meters with Smart IR, IR LED*2                                                                            |
| Minimum Illumination          | 0.065 lux @ F2.0 (Color)<br><0.005 lux @ F2.0 (B/W)<br>0 lux with IR illumination on                                                                   |
| Pan Range                     | 350°                                                                                                                                                   |
| Tilt Range                    | 75°                                                                                                                                                    |
| Rotation Range                | 350°                                                                                                                                                   |
| Pan/Tilt/Zoom Functionalities | ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)                                                                                                |
| Storage                       | Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)                                                           |

## Video

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression  | H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Maximum Frame Rate | 30 fps @ 1920x1080                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Maximum Streams    | 3 video streams (Up to 8 configurable profiles)                                                                                                                                                                                                                                                                                                                                                                                                      |
| S/N Ratio          | FD9360-H(2.8mm): 68 dB<br>FD9360-H(3.6mm): 68 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, rotation), day/night settings; Illuminators: illuminators, anti-overexposure; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR; Exposure: BLC, HLC, exposure control (exposure level, exposure time, gain control), AE speed adjustment, WDR; Privacy mask; Scheduled profile settings |

## Network

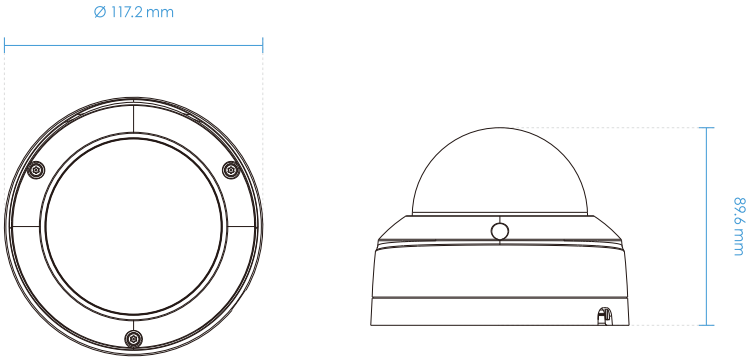
|          |                                                                                                                                                                                                                 |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Users    | Live viewing for up to 10 clients                                                                                                                                                                               |
| Security | Access list, digest authentication, HTTPS, IEEE 802.1x, password protection, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management |



|                             |                                                                                                                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols                   | 802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP                                                                                                   |
| Interface                   | 10 Base-T/100 Base-TX Ethernet (RJ-45)<br>*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 <a href="http://www.onvif.org">www.onvif.org</a>                                                                                                                                                                                |
| <b>Solution Integration</b> |                                                                                                                                                                                                                                                                                       |
| Video Motion Detection      | Five-window video motion detection                                                                                                                                                                                                                                                    |
| VADP Package                | Stratocast, Trend Micro IoT Security (1-year free trial), VIVOCloud                                                                                                                                                                                                                   |
| <b>Alarm and Event</b>      |                                                                                                                                                                                                                                                                                       |
| Event Trigger               | Camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, system boot                                                  |
| Event Action                | Event notification via email, HTTP, FTP, NAS server, SD card, push notification<br>File upload via email, HTTP, FTP, NAS server, SD card                                                                                                                                              |
| <b>General</b>              |                                                                                                                                                                                                                                                                                       |
| Connectors                  | RJ-45 cable connector for 10/100Mbps Network/PoE connection                                                                                                                                                                                                                           |
| LED Indicator               | System power and status indicator                                                                                                                                                                                                                                                     |
| Power Input                 | IEEE 802.3af PoE Class 2                                                                                                                                                                                                                                                              |
| Power Consumption           | Max. 6.49 W/3.69 W (IR on/off)                                                                                                                                                                                                                                                        |
| Dimensions                  | Ø 117.2 x 89.6 mm                                                                                                                                                                                                                                                                     |
| Weight                      | 540 g                                                                                                                                                                                                                                                                                 |
| Certifications              | EMC: CE (EN55032 Class B, EN55024), FCC (FCC Part 15 Subpart B Class B), RCM (AS/NZS CISPR 32 Class B), VCCI (VCCI-CISPR 32 Class B); Safety: UL (UL62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471); Environment: IK10 (IEC 62262), IP66 (IEC 60529); IA: BIS (IS 13252) |
| Operating Temperature       | Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F)<br>Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F)                                                                                                                                                                                |
| Humidity                    | 90%                                                                                                                                                                                                                                                                                   |
| Warranty                    | 36 months                                                                                                                                                                                                                                                                             |
| <b>System Requirements</b>  |                                                                                                                                                                                                                                                                                       |
| Operating System            | Microsoft Windows 10/8/7<br>Mac 10.12 (Chrome only)                                                                                                                                                                                                                                   |
| Web Browser                 | Chrome 58.0 or above<br>Internet Explorer 10/11                                                                                                                                                                                                                                       |
| Other Players               | VLC: 1.1.11 or above                                                                                                                                                                                                                                                                  |
| <b>Included Accessories</b> |                                                                                                                                                                                                                                                                                       |
| Packing Contents            | Quick installation guide, alignment sticker, screw pack, cable gland                                                                                                                                                                                                                  |



# Dimensions



# Compatible Accessories

## Mounting Kits



AM-21A (V02)  
L-shape Bracket

## Mounting Kits



AM-51G  
Adapting Plate

## Mounting Kits



AM-52E  
Mounting Adapter

## Mounting Kits



AM-71B  
Outdoor Conduit Box