



# FD9380-H

Fixed Dome Network Camera



5MP • SNV • WDR Pro • Smart IR • 30M IR •  
Smart Stream III • IP66

VIVOTEK's FD9380-H is a H.265 outdoor dome network camera equipped with a 5-Megapixel sensor, enabling resolution of 2560x1920 at 20 fps. Featuring VIVOTEK SNV and WDR Pro technology, the FD9380-H is capable of capturing high-quality imagery in both high contrast and low light environments.

The FD9380-H deploys a 3.6mm lens and is equipped with IR illuminators with a 30-meter effective range for better night visibility. Further, to provide reliable coverage in harsh outdoor environments, the FD9380-H is encased in IP66 and IK10 housing.

By employing VIVOTEK's Smart Stream III technology and H.265 codec support, the FD9380-H is able to reduce bandwidth usage by up to 90%\* while maintaining supreme image quality. Additionally, the VADP (VIVOTEK Application Development Platform) allows users to customize applications for the ever-expanding number of user scenarios in a diversifying surveillance market.

\* Depending on scenes

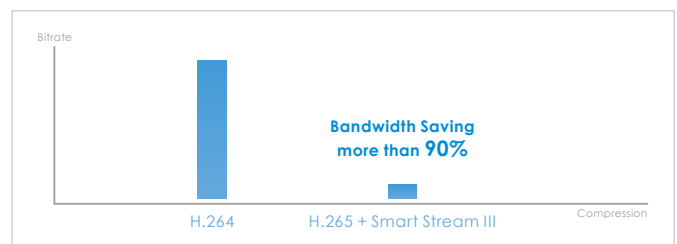
## Key Features

- H.265 Compression Technology
- 20 fps @ 2560x1920 (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



Without WDR Pro

With WDR Pro



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

## Technical Specifications

|                               |   |                            |   |
|-------------------------------|---|----------------------------|---|
| Model                         | FD9380-H  |                            |   |
| <b>System Information</b>     |   |                            |   |
| CPU                           | Multimedia SoC (System-on-Chip)   |                            |   |
| Flash                         | 128MB   |                            |   |
| RAM                           | 512MB   |                            |   |
| <b>Camera Features</b>        |   |                            |   |
| Image Sensor                  | 1/2.7" Progressive CMOS   |                            |   |
| Max. Resolution               | 2560x1920 (5MP)   |                            |   |
| Lens Type                     | Fixed-focal   |                            |   |
| Focal Length                  | f = 3.6 mm  |                            |   |
| Aperture                      | F2.0  |                            |   |
| Iris type                     | Fixed-iris  |                            |   |
| Field of View                 | 76° (Horizontal)<br>59° (Vertical)<br>100° (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 up to 30 meters with Smart IR, IR LED*2                    |                            |   |
| Minimum Illumination          | 0.03 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<br>(4x on IE plug-in, 12x built-in)                          |                            |   |
| On-board Storage              | Slot type: MicroSD/SDHC/SDXC card slot<br>Seamless Recording                        |                            |   |
| <b>Video</b>                  |   |                            |   |
| Compression                   | H.265, H.264, MJPEG   |                            |   |
| Maximum Frame Rate            | 20 fps @ 2560x1920  |                            |   |
| Maximum Streams               | 3 simultaneous streams  |                            |   |
| S/N Ratio                     | 67 dB   |                            |   |
| Dynamic Range                 | 120 dB  |                            |   |
| Video Streaming               | Adjustable resolution, quality and bitrate,<br>Smart Stream III                     |                            |   |
|                               |   | Image Settings             | Time stamp, text overlay, flip & mirror;<br>Configurable brightness, contrast,<br>saturation, sharpness, white balance,<br>exposure control, gain, backlight<br>compensation, privacy masks; Scheduled<br>profile settings, HLC, defog, 3DNR; video<br>rotation               |
|                               |   | <b>Network</b>             |   |
|                               |   | Users                      | Live viewing for up to 10 clients   |
|                               |   | Protocols                  | 802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP,<br>DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4,<br>IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP,<br>SNMP, SSL, TCP/IP, TLS, UDP, UPnP   |
|                               |   | Interface                  | 10 Base-T/100 Base-TX Ethernet (RJ-45)<br>*It is highly recommended to use standard<br>CAT5e & CAT6 cables which are compliant<br>with the 3P/ETL standard.   |
|                               |   | ONVIF                      | Supported, specification available at<br><a href="http://www.onvif.org">www.onvif.org</a>   |
|                               |   | <b>Intelligent Video</b>   |   |
|                               |   | Video Motion Detection     | Five-window video motion detection  |
|                               |   | VADP Package               | Trend Micro IoT Security, Stratocast  |
|                               |   | <b>Alarm and Event</b>     |   |
|                               |   | Alarm Triggers             | Motion detection, periodical trigger,<br>system boot, recording notification,<br>camera tampering detection, temperature<br>detection, manual trigger, SD card life<br>expectancy, cybersecurity events (brute<br>force attack event, cyberattack event,<br>quarantine event) |
|                               |   | Alarm Events               | Event notification via email, HTTP, FTP, NAS<br>server, SD card<br>File upload via email, HTTP, FTP, NAS server,<br>SD card   |
|                               |   | <b>General</b>             |   |
|                               |   | Connectors                 | RJ-45 cable connector for Network 10/100<br>Mbps PoE connection*1   |
|                               |   | LED Indicator              | System power and status indicator   |
|                               |   | Power Input                | IEEE 802.3af PoE Class 2  |
|                               |   | Power Consumption          | Max. 6.49 W (IR on)<br>Max. 3.69 W (IR off)   |
|                               |   | Dimensions                 | Ø 117.2 x 89.6 mm   |
|                               |   | Weight                     | 540 g   |
|                               |   | Casing                     | IP66, IK10(Housing)   |
|                               |   | Safety Certifications      | CE, FCC Class B, UL, LVD, VCCI, C-Tick  |
|                               |   | Operating Temperature      | Starting Temperature:<br>-10°C ~ 60°C (14°F ~ 140°F)<br>Working Temperature:<br>-30°C ~ 60°C (-22°F ~ 140°F)  |
|                               |   | Humidity                   | 98%   |
|                               |   | Warranty                   | 24 months   |
|                               |   | <b>System Requirements</b> |   |

## Technical Specifications

---

|                  |  |
|------------------|--|
| Operating System | Microsoft Windows 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<br>QuickTime: 7 or above |
|---------------|---|

---

### Included Accessories

---

|        |   |
|--------|---|
| Others | Quick installation guide, alignment sticker,<br>screw pack, cable gland |
|--------|---|

---

### Dimensions

---

