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 2.8mm/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
## Technical Specifications

### Model
- FD9380-H (2.8mm)
- FD9380-H (3.6mm)

### System Information
- **CPU**: Multimedia SoC (System-on-Chip)
- **Flash**: 128MB
- **RAM**: 512MB

### Camera Features
- **Image Sensor**: 1/2.7" Progressive CMOS
- **Max. Resolution**: 2560x1920 (5MP)
- **Lens Type**: Fixed-focal
  - **FD9380-H (2.8mm)**: f = 2.8 mm
  - **FD9380-H (3.6mm)**: f = 3.6 mm
- **Aperture**: F2.0
- **Iris type**: Fixed-iris

### Field of View
- **FD9380-H (2.8mm)**:
  - Horizontal: 103°
  - Vertical: 76°
  - Diagonal: 134°
- **FD9380-H (3.6mm)**:
  - Horizontal: 76°
  - Vertical: 59°
  - Diagonal: 100°

### 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 SmartIR, IR LED*2

### Minimum Illumination
- 0.03 lux @ F2.0 (Color)
- <0.005 lux @ F2.0 (B/W)
- 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)

### On-board Storage
- Slot type: MicroSD/SDHC/SDXC card slot
- Seamless Recording

### Video Streaming
- Adjustable resolution, quality and bitrate, 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, HLC, defog, 3DNR, video rotation

### Network
- **Users**: Live viewing for up to 10 clients
- **Protocols**:
  - 802.1X, ARP, CIFS/5 SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPOE, QoS, RTSP/RTSP/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

### Intelligent Video
- **Video Motion Detection**: Five-window video motion detection
- **VADP Package**: Trend Micro IoT Security, Stratocast

### Alarm and Event
- **Alarm Triggers**: Motion detection, periodical trigger, system boot, recording notification, camera tampering detection, manual trigger, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)

### Alarm Events
- Event notification via email, HTTP, FTP, NAS server, SD card
- File upload via email, HTTP, FTP, NAS server, SD card

### General
- **Connectors**: RJ-45 cable connector for Network 10/100 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)
  - 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**: -10°C ~ 60°C (14°F ~ 140°F)
- **Working Temperature**: -30°C ~ 60°C (-22°F ~ 140°F)

### Humidity
- 90%

### Warranty
- 24 months
## Technical Specifications

### System Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>Microsoft Windows 8/7, Mac 10.12 (Chrome only)</td>
</tr>
<tr>
<td>Web Browser</td>
<td>Chrome 58.0 or above, Internet Explorer 10/11</td>
</tr>
<tr>
<td>Other Players</td>
<td>VLC: 1.1.11 or above, QuickTime: 7 or above</td>
</tr>
</tbody>
</table>

### Included Accessories

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Others</td>
<td>Quick installation guide, alignment sticker, screw pack, cable gland</td>
</tr>
</tbody>
</table>

### Dimensions

- Ø 117.2 mm
- 89.6 mm

## Compatible Accessories

### Mounting Kits

- **AM-21A (V02)**
  - L-shape Bracket
- **AM-S1G**
  - Adapting Plate
- **AM-S2E**
  - Mounting Adapter
- **AM-71B**
  - Outdoor Conduit Box