Super Dynamic Full HD Vandal Resistant Dome Network Camera

WV-SFV130 / WV-SFV130M

Super Dynamic HD Vandal Resistant Dome Network Camera

WV-SFV110 / WV-SFV110M

Key Features

- **Full HD / 1,920 x 1,080 Compact Dome Network Camera (WV-SFV130 / WV-SFV130M)**
- **HD / 1,280 x 720 Compact Dome Network Camera (WV-SFV110 / WV-SFV110M)**

- **1080p Full HD images up to 30 fps (WV-SFV130 / WV-SFV130M)**
- **720p HD images up to 30 fps (WV-SFV110 / WV-SFV110M)**
- **Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording.**
- **Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 122 dB wider dynamic range compared to conventional cameras.**
- **Face Super Dynamic Range technology ensures clear face image.**
- **High sensitivity with Day/Night (Electrical) function:**
  - 0.1 lx (Color), 0.08 lx (B/W) at F2.3 (WV-SFV130 / WV-SFV130M)
  - 0.04 lx (Color), 0.03 lx (B/W) at F2.3 (WV-SFV110 / WV-SFV110M)
- **VIQS (Variable Image Quality on Specified area) technology allows the designated eight areas to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.**
- **Smart coding Technology :** Group of Pictures (GOP) control function removes unnecessary information from the frame for realizing efficient encoding.
  - With the latest bit rate reducing technology, GOP control, 3D-MNR (Multi process Noise Reduction) and FDF (Frequency Divided Filter), the network bandwidth and the disk space of recorder can be saved.
  - Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- **Light control modes :**
  - ELC (maximum exposure time) : The lightning control will be automatically performed by adjusting shutter speed in the range of ELC.
  - 2x, 4x digital zoom controlled by browser
- **VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size**
- **Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.**
- **Camera title display :** Up to 20 alphanumeric characters on the browser
- **Alarm sources including VMD and Panasonic alarm command can trigger actions such as FTP image transfer, E-mail notification, Indication on browser, and Panasonic alarm protocol output.**
- **JPEG Image compression ratio can be changed by alarm so that higher quality image can be provided.**
- **Prioritized stream control :** One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- **SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)**
- **Face detection function detects the position of human face and the information is sent by XML or video stream. (Optional)**
- **Can be added new intelligent extension software (Optional) in addition to built-in VMD (Video Motion Detection), alarm function.**
- **Fog compensation function equipped as standard.**
- **HLC (High Light Compensation) technology reduces strong light sources such as vehicle headlights to prevent camera being blinded.**
- **H.264 max. bit rate/client and Total bit rate control allows flexible network traffic management.**
  - Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
  - Internet mode : H.264 images can be transmitted over HTTP protocol.
- **Multi-language :** English / Italian / French / German / Spanish / Portuguese / Russian / Chinese / Japanese
- **IPv4/IPv6 protocol supported**
- **Supports SSL, DDNS (viewnetcam, RFC2136)**
- **ONVIF compliant model**
- **Low profile design for discrete installation**
- **Electronics equipment used on rolling stock**
  - EN50155-T3 (railroad standard) / EN60701, EN45545 compliant
  - ECE-R10 (E approval), EN50498 compliant
  - WV-SFV130M/WV-SFV110M only)
- **Wide coverage**
  - WV-SFV130 / WV-SFV130M
  - WV-SFV110 / WV-SFV110M

*Optional Accessory*

Smoke Dome Cover

WV-CW6SA
### Specifications

**Camera**

- **Image Sensor**: Approx. 1/3 type MOS image sensor

**Scanning Mode**

<table>
<thead>
<tr>
<th>Area</th>
<th>Scanning Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>WV-SFV130M</td>
<td>Progressive</td>
</tr>
<tr>
<td>WV-SFV130</td>
<td>5.29 mm (H x 2.97 mm (V))</td>
</tr>
<tr>
<td>WV-SFV110M</td>
<td>4.86 mm (H x 2.65 mm (V))</td>
</tr>
<tr>
<td>WV-SFV110</td>
<td>5/16 inches (H) x 3/16 inches (V)</td>
</tr>
</tbody>
</table>

**Maximum Illumination**

<table>
<thead>
<tr>
<th>Area</th>
<th>Maximum Illumination</th>
</tr>
</thead>
<tbody>
<tr>
<td>WV-SFV130M</td>
<td>0.027 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High)</td>
</tr>
<tr>
<td>WV-SFV110M</td>
<td>0.009 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High)</td>
</tr>
<tr>
<td>WV-SFV110</td>
<td>0.003 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High)</td>
</tr>
<tr>
<td>WV-SFV130</td>
<td>0.003 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High)</td>
</tr>
</tbody>
</table>

**Light Control Mode**

- **AC**: 2000 - 10000 K, **ATW**: 2700 - 6000 K, **ATW**: 2000 - 6000 K

**Resolution**

- **WV-SFV130M / WV-SFV110M**: 10Base-T / 100Base-TX, M12 connector (female)

**Digital (electronic) zoom**

- Choose from 3 levels of x1, x2, x4

**Zoom ratio**

- 1x / WV-SFV130 / WV-SFV130M
- 3x Extra zoom (2.0x, 0.5x)
- 2x Extra zoom (2.0x, 0.5x)

**Color**

- **WV-SFV130M**: Color: 24 bit (F2.3, Maximum shutter : Off (1/10s), AGC : High)
- **WV-SFV110M**: BW: 0.013 lx (F2.3, Maximum shutter : Off (1/10s), AGC : High)

**Power Consumption**

- **48 V DC**: 90 mA / Approx. 4.3 W (Class 2 device)

**Dimensions**

- **WV-SFV130M**: 204.8 x 158.2 x 60.4 mm
- **WV-SFV110M**: 194.0 x 141.6 x 57.8 mm

**Weight**

- **WV-SFV130M**: Approx. 410 g (0.9 lbs)
- **WV-SFV110M**: Approx. 350 g (0.77 lbs)

### Network

**Image compression method**

- **H.264**: Constant bit rate / Variable bit rate / Frame rate / Motion / Bandwidth

**Supported Protocols**

- **IPv4**: TCP, UDP, HTTP, HTTPS, RTP, RTSP, MMS, FTP, FTP, ALC, ICMP, ARP
- **IPv6**: TCP, UDP, HTTP, HTTPS, RTP, RTSP, RTCP, FTP, SMTP, DNS, FTP, SNMP, IPC, ARP

**Alarm Actions**

- SDXC/SDHC/SD memory recording, E-mail notification, alarm, file transfer, FTP, terminal output

**Data Download**

- ISO 9601:2000, EN50155-T3, EN50121

**Other standard support**

- ISO 9601:2000, EN50155-T3, EN50121

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**Main body**: Aluminum die cast, Light gray

**Others**

- Tamper-resistant enclosure
Part Names and Functions

- Enclosure
- Dome cover
- SD memory card slot
- Network cable
- Built-in microphone
- Lens body
- Lens
- SD CARD indicator
- LINK indicator
- ACT indicator
- INITIAL SET button

* These illustrations are WV-SFV130.

Appearance

Unit: mm (inches)

47 (1-3/7/8")
47 (1-3/7/8")
ø109 (ø4-9/32")

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Important
- Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers’ products used on the network.

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