HD Fixed Dome Network Camera
WV-SF336

Key Features

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier®", Panasonic’s proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Simple Day/Night function: 0.3 lx (Color), 0.2 lx (B/W) at F1.3 (Wide)
- VIGIS (Variable Image Quality on Specified area) technology allows the designated area 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.
- ABF (Auto Back Focus) ensures easy installation.
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various conditions.
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Superior color reproduction by primary (RGB) color filter
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor / Indoor / Fixed electronic shutter
- Outdoor / Indoor: Electronic shutter and ALC lens iris control are automatically controlled depending on the mode and luminance level. Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.
- VMD (Video Motion Detector) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- 2x extra zoom at VGA resolution
- 2x, 4x digital zoom controlled by browser
- Camera title display: Up to 20 alphanumeric characters on the browser, Up to 20 alphanumeric characters embedded in the image
- Alarm sources including 1 terminal input, VMD and Panasonic alarm command can trigger actions such as SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic protocol output.
- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- 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.
- SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/MPEG-4 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority modes controls bit rate and compression ratio to provide the specified frame rate.
- Alarm log, Manual REC log, FTP error log saved in the SDHC/SD memory card is displayed on the browser GUI and can be downloaded to the client PC. Playback or Image data download through the log is also available.
- Internet mode: H.264/MPEG-4 images can be transmitted over HTTP protocol.
- Multi-language: English / Italian / French / German / Spanish / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- Analog Monitor output for easier installation
- 2.8 mm – 10 mm, 3.6x Vari focal Auto Iris lens
- ONVIF compliant model
- Fog compensation

Standard Accessories

- Installation Guide ......................... 1 pc.
- CD-ROM*1 .................................... 1 pc.
- Code Label*2 ................................ 1 pc.

The followings are for installation.
- Power Cord Plug .......................... 1 pc.
- External I/O Terminal Plug............ 1 pc.
- Installation Template Label .......... 1 pc.
- Cable Tie .................... 2 pcs. (incl. 1 spare)
- *1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs.
- *2 The label may be required for network management. The network administrator shall retain the code label.

Optional Accessories

- Embedded Ceiling Mount Bracket (Sail white) WV-Q174
- Embedded Ceiling Mount Bracket (AV-light gray) WV-Q168
- Smoke Dome Cover WV-CF55
- Ceiling Mount Bracket WV-Q105

* Different from the color of the camera.
Specifications

**Camera**
- Image Sensor: 1/3 type MOS Sensor
- Effective Pixels: Approx. 1,392,000 pixels
- Scanning Mode: Progressive scan
- Scanning Area: 4.9 mm (H) x 3.6 mm (V) / 31/16 inches (H) x 5/32 inches (V)
- Minimum Illumination: Color: 0.019 lx, BW: 0.013 lx (Shutter: 1/15 s, AGC: High), Color: 0.019 lx, BW: 0.013 lx at F.1.3 (Shutter: 16/30 s, AGC: High)
- White Balance: AWB (2,700 ~ 6,500 K), AWB (2,000 ~ 6,000 K)
- Light Control Mode: Indoor: Automatic Integration of ALC and ELC (up to 1/100 s), Indoor: Automatic Integration of ALC and ELC (up to 1/100 s)
- Shutter Speed: Off switch: OFF, 1/30, 1/120, 1/250, 1/500, 1/1000, 2/1000, 1/2000, 1/4000, 1/8000
- Wide Dynamic Range: ON / OFF
- Digital Zoom: 1x, 2x, 4x controlled by browser GUI
- Digital Noise Reduction: High / Low
- Face Wide Dynamic Range: ON / OFF
- Minimum Illumination: Color: 0.019 lx, BW: 0.013 lx at F.1.3 (Shutter: 16/30 s, AGC: High)
- Scanning Area: 4.8 mm (H) x 3.6 mm (V) {3/16 inches (H) x 5/32 inches (V)}
- Effective Pixels: Approx. 1.3 megapixel
- Image Sensor: 1/3 type MOS Sensor
- Lens: 3.6x Variable Focal Lens
- Focal Length: 2.8 mm ~ 10 mm
- Back Focus Adjustment: ABF/MANUAL
- Camera Title (OSD): Up to 20 alphanumeric characters
- Network IF: 10Base-T / 100Base-TX, RJ-45 connector
- Camera Title: Control Brightness, AUX ON / OFF

**Network**
- Network Interface: UNICAST / MULTICAST
- Supported Ports: IPv6: TCPIP, LUDP, HTTP, FTP, RTP, SMTP, DNS, NTP, SNMP, DiCHOP, ICS/IPv4
- FTP Client: Support FTP upload, Passive mode transfer, Active mode transfer
- No. of Simultaneous Users: Up to 14 users (Depends on network conditions)
- Login: Privacy, LYMD, Access permission, H.264 SD/HD Memory Card (Optional)

**Audio**
- Audio Mode: Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
- Microphone/Line Input Connector: ø3.5 mm stereo mini jack (monaural output) (Applicable microphone; Plug-in power type)
- Audio Output: 0.35 mm stereo mini jack (monaural output) (Line level)
- Power Source and 12 V DC: 320 mA, PoE (IEEE 802.3af): 4.2 W (Class 2 device)
- Network Connector (RJ-45) / ABF Indicator
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**Video**
- TV System: NTSC, PAL
- AV Out: 1.0 V [p-p] / 75 Ω, 1.0 V [p-p] / 75 Ω
- Monitor Output: 10Base-T / 100Base-TX, RJ-45 connector
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