Super Dynamic Weather Resistant Full HD PTZ Dome Network Camera

WV-SW598A

Key Features

- 1080p Full HD images up to 30 fps
- Super high resolution at Full HD / 1,920 x 1,080
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording.
- Full frame (Up to 30 fps) transmission at 1,920 x 1080 image size
- 30x optical zoom
- 90x extra optical zoom at 640x360 resolution with 12x digital zoom enabling 1080x zoom.
- Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- Face Super Dynamic technology ensures clear face image.
- High sensitivity with Day/Night (ICR*) function : 0.15 lx (Color), 0.018 lx (B/W) at F1.6 * ICR: IR Cut filter Removal
- VIQS (Variable Image Quality on Specified area) technology allows the designated 2 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. VIQS can be set on preset position (1 to 8) and except preset.
- Smart coding Technology : Group of Pictures (GOP) control function removes unnecessary information from the frame for realizing efficient encoding. GOP control can save the network bandwidth and the disk space of recorder effectively.
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes :
  - Outdoor scene / Indoor scene (50 Hz) / Indoor scene (60 Hz) / Fix shutter
  - Indoor scene (50 Hz / 60 Hz) : Flicker caused by fluorescent lightning will be automatically compensated.
- 360 degrees endless Panning
- Advanced auto tracking: The camera automatically pans and tilts to follow a moving subject and keep it in the center of the image.
- PTZ control can be taken very smoothly on the user friendly GUI with 16 speeds pan/tilt and new “Drag and Zoom” operation enabling finer control. 256 speeds available for system with WV-CU950 system controller.
- Up to 256 preset positions
- 360 map shot: 8 thumbnail images at 45 deg. intervals make it simple to direct the camera easily by clicking on a thumbnail.
- Industrial grade Pan / Tilt / Zoom mechanism for high reliability
- VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 32 private areas, such as house windows and entrances/exits.
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDXC/SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic alarm 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.
- SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- 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
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard, Type 4x(UL50), NEMA 4x compliant.
- Dehumidification device for use in various weather conditions
- Rain wash coat dome cover
- Ambient Operating Temperature : -60 °C to +55 °C (-58 °F to 131 °F)
- Fog and Sandstorm compensation
- AEM (Auto Eyelid Mechanism) offers images that are more natural and easy to watch reducing doubled images when direction of the lens moved above the horizontal.
Specifications

**Camera**

- **Image Sensor**: Approx.1/3 type MOS image sensor
- **Scanning Area**: 8.5 mm (W) x 4.3 mm (H) (3:2 aspect ratio) [1/3.28 inch (W) x 1.72 inch (H)]
- **Minimum Illumination**: Color: <0.5 lux, B/W: <0.005 lux
  - [F1.6, Auto slow shutter]: Off (0 lux), Gain (Off)
  - [Color: <0.005 lux, B/W: <0.0005 lux]
- **Light Control Mode**: Indoor scene [30 Hz]: Automatic integration of ALC and ELC
  - Indoor scene [50 Hz]: Automatic integration of ALC and ELC up to 1/50 s
- **Shutter Speed**: Fixed shutter: 1/30, 1/100, 1/200, 1/400, 1/1600 s
- **Synchronization**: On/Off
- **Pan/Sweep Dynamic Range**: Off/On
- **Dynamic Range**: 8.5
- **Effective Number of Bits (Digital Dynamic Range)**: 8
- **Effective Number of Bits (Analog Dynamic Range)**: 8
- **Camera Title**: Camera for [monitoring/backup/backup (camera)]
- **Camera Control**: Supported OS *3
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Part Names and Functions

SDXC/SDHC/SD Memory Card Slot

Inside SDXC/SDHC/SD Memory Card Slot Cover

External I/O Cable
Power Cable
Attachment Pipe
Housing Base (Inside)
Front Sunshield (Accessory)
Main Sunshield Rear Cover
Main Sunshield
Dome Cover
* Rain wash coating

Standard Accessories

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

The followings are for installation.
- Protection Cover ........................................................1 pc.
- Cable coupler (used with the network cable) .................1 pc.
- 8P Alarm Cable ............................................................1 pc.
- 24 V AC power supply connector kit .............................1 pc.
- Front/Rear Sun Shield...................................................1 set
- Front/Rear Sun Shield Fixing Screws...............................2 pcs. (incl. 1 spare)

*1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs.
*2 This label may be required for network management. The network administrator shall retain the code label.

Optional Accessories

Ceiling Mount Bracket
WV-Q121B

Wall Mount Bracket
WV-Q122A

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Important
- Safety Precaution: Carefully read the 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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