

Outdoor Pan-tilting Network Camera WV-SW175 WV-SW172



HD / 1,280 x 960 H.264 Pan-tilting Network Camera (WV-SW175) SVGA / 800 x 600 H.264 Pan-tilting Network Camera (WV-SW172)

Key Features

- 720p HD images up to 30 fps (WV-SW175)
- 1.3 Megapixel high sensitivity MOS Sensor
- Super high resolution at SVGA/800 x 600 created by 1.3 Megapixel high sensitivity MOS Sensor (WV-SW172)
- 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 (WV-SW175)
- Full frame (Up to 30 fps) transmission at SVGA (800 x 600) image size (WV-SW172)
- 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.
- High sensitivity with Day & Night (Electrical) function:
 0.6 lx (Color), 0.5 lx (B/W) at F2.2
- 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.
- · Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Indoor scene (50 Hz) / Indoor scene(60Hz) / ELC (maximum exposure time)
- Indoor scene (50 Hz/60Hz): Flicker caused by fluorescent lightning will be automatically compensated.

ELC (maximum exposure time): The lightning control will be automatically performed by adjusting shutter speed in the range of ELC.

- 2x extra zoom at VGA resolution
- 8x digital zoom controlled by browser
- VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- Meta data for VMD works with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 2 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.
- 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 / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- Onvif compliant model
- Panning/tilting and Preset Map Shot function realizes wide range monitoring..(Horizontal angle:180° Vertical angle 123°)
- · Easy installation: Easy to adjust directions.
- Interactive communication with audio: By using the audio output connector and the microphone in connector, receiving audio from the cameras on a PC and transmitting audio from the PC to the cameras is available.
- IP55 rated water and dust resistant. Compatible with IEC60529
- Best effort on Transmission priority: In accordance with the network bandwidth, H.264 images will be transmitted with the bit rate varying between the maximum and minimum bit rates that are set for "Max bit rate (per client)".

Standard Accessories

| • CD-ROM*11 pc. • Code label*21 pc. | Connector Cover |
|---|-----------------|
| *1 The CD-ROM contains the operating instructions and *2 This label may be required for network management | |

I his label may be required for network management. The network administrator shall retain the code label.

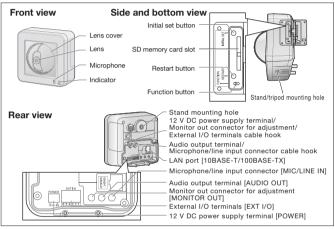
Specifications

| Camera | Imaga Sana | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | NTSC PAL | | |
|--------------|---|--|--|--|--|
| | Image Senso | | 1/4 type MOS Sensor | | |
| | Effective Pix | | Approx. 1.3 megapixels | | |
| | Scanning Me | | Progressive | | |
| | Scanning Ar | | 3.52 mm (H) x 2.64 mm (V) (7/50" (H) × 1/10" (V)) | | |
| | Minimum IIIu | mination | Color: 0.6 lx (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High)) | | |
| | | | Color: 0.038 lx (F2.2, Auto slow shutter: Max. 16/30s, Gain:On(High)) 1 | | |
| | | | BW: 0.5 lx (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High)) | | |
| | | | BW: 0.031 lx (F2.2, Auto slow shutter: Off (16/30s), Gain:On(High)) 1 | | |
| | White Balan | се | AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K) | | |
| | Light Control | | Indoor scene (50 Hz / 60 Hz) / ELC | | |
| | | | ELC (1/30 s), ELC (3/100 s), ELC (3/120 s), ELC (2/100 s), ELC (2/120 s), | | |
| | Shutter Speed | | ELC (1/100 s), ELC (1/100 s), ELC (1/120 s), ELC (2/120 s), ELC (1/100 s), ELC (1/120 s), ELC (1/250 s), ELC (1/100 s), ELC (1/1,000 s), ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/10,000 s) | | |
| | Wide Dynam | c Range | ON / OFF | | |
| | | namic Range | ON / OFF | | |
| | Adaptive Bla | | ON / OFF | | |
| | | | ON (HIGH) / ON (MID) / ON (LOW) / OFF | | |
| | AGC | | OFF (1/30 s), Max. 2/30 s, Max. 4/30 s, Max. 6/30 s, Max. 10/30 s, Max. 16/30 s | | |
| | Electronic Sensitivity UP | | OFF (1/30 S), Max. 2/30 S, Max. 4/30 S, Max. 0/30 S, Max. 10/30 S, Max. 10/30 S | | |
| | Day & Night(electrical) Dynamic Range | | | | |
| | | | 24 dB typ. (WDR: ON, Light Control: ELC) HIGH / LOW | | |
| | Digital Noise | | | | |
| | Video Motio | | ON / OFF, 4 areas available | | |
| | Privacy Zone | | ON / OFF (up to 2 zones available) | | |
| | Camera Title (OSD) | | Up to 20 characters (alphanumeric characters, marks), On/Off | | |
| Lens | Focal Length | | 1.95 mm | | |
| | Zoom Ratio | | Extra zoom: 2x (at VGA resolution) | | |
| | Angular Field | | Horizontal: 85 °, Vertical: 68 ° | | |
| | | perture Ratio | | | |
| | Focusing Range | | 0.5 m ~ ∞ | | |
| Pan and Tilt | Panning Range | | -47.5°- +47.5° | | |
| | Panning Speed | | Manual: Approx. 5 °/s - 80 °/s, Preset: Up to approx. 80 °/s | | |
| | Tilting Range | | -45° to +10° | | |
| | Tilting Speed | | Manual: Approx. 5 °/s - 80 °/s, Preset: Up to approx. 80 °/s | | |
| | Number of Pre | | 64 | | |
| | PTZ Position | | ON / OFF | | |
| | Self Return | Display | 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min | | |
| | Map Shot | | Preset map-shot | | |
| Prowoor CIII | | trol | Brightness, AUX ON / OFF | | |
| browser GUI | Camera Cor | troi | | | |
| | Display Mod | e | Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad | | |
| | | | screens or 16 split screen (JPEG only). 20 characters camera title available. | | |
| | Zoom | | extra zoom(1x - 2x) and the electronic zoom (higher zoom factors, up to 16x). | | |
| | Camera Title | | Up to 20 alphanumeric characters | | |
| | Clock Display | | Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) | | |
| | Alarm Control | | Reset | | |
| | One Shot Capture | | A still picture will be displayed on a newly opened window. | | |
| | Audio | | Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High, | | |
| | | | Audio Output: ON / OFF Volume adjustment: Low / Middle / High | | |
| | SD Memory Data Download | | Still or motion Images recorded in the SDHC/SD memory card can be downloaded. | | |
| | | | English, Japanese, Italian, French, German, Spanish, Chinese, Russian | | |
| | System Log | | Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the | | |
| | Supported OS ¹² ¹³ Supported Browser | | recording format is set to JPEG.) error logs | | |
| | | | Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP | | |
| | | | Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), | | |
| | Supported Dio | 1301 | Windows® Internet Explorer® 7.0 (32 bit), Windows Internet Explorer® 6.0 SP3 | | |
| Mahuauk | | | | | |
| Network | Network IF | | 10Base-T / 100Base-TX, RJ-45 connector (female) | | |
| | Incore Developing the | Assessment and the fit of | | | |
| Network | Image Resolution *4 | Aspect ratio: [4 : 3] | WV-SW175: | | |
| Network | Image Resolution *4 | Aspect ratio: [4 : 3] | H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps | | |
| Network | Image Resolution *4 | Aspect ratio: [4 : 3] | H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps | | |
| Network | Image Resolution *4 | Aspect ratio: [4 : 3] | H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps WV-SW172: | | |
| Network | Image Resolution *4 | Aspect ratio: [4 : 3] | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps | | |
| Network | Image Resolution *4 | | H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps WV-SW172: H.264: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps | | |
| Network | Image Resolution *4 | Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW175: | | |
| Network | Image Resolution *4 | | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW175: H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps | | |
| Network | Image Resolution *4 | | H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps WV-SW172: H.264: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps WV-SW175: H.264: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps | | |
| Network | Image Resolution *4 | | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW175: H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps | | |
| Network | Image Resolution *4 | | H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps WV-SW172: H.264: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps WV-SW175: H.264: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps | | |
| Network | Timage Resolution "4 | | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW175: H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps WV-SW172: H.264: 41 × 360 / 320 × 180, up to 30 fps | | |
| Network | Timage Resolution '4 | Aspect ratio: [16 : 9] | H.284: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps WV-SW172: H.264: 640 × 360 / 320 × 180, up to 30 fps JPEG: 420 × 380 / 320 × 180, up to 30 fps | | |
| Network | | Aspect ratio: [16 : 9] | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 400 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps | | |
| Network | | Aspect ratio: [16 : 9] Transmission Mode Frame Rate | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW175: H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps WV-SW172: H.264: 40 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps | | |
| NELWOIK | | Aspect ratio: [16 : 9] | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps | | |
| Network | | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps | | |
| VELINGI K | | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW175: H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 400 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps LConstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps G4 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 kbps LOW / NORIMAL / FINE | | |
| VELINGI K | | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41, 280 × 720 / 640 × 360 / 320 × 180, up to 30 fps Gonstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps | | |
| VELINUIK | H.264 | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps ~ 30 fps UNICAST / MULTICAST | | |
| VELINUIK | | Aspect ratio: [16 - 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type | H 244: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps | | |
| VELINUIK | H.264 | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Refersh Interval | H.264: 1.280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps W-SW172: H.264: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 40 x 380 / 320 x 180, up to 30 fps JPEG: 640 x 380 / 320 x 180, up to 30 fps Gonstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps ~ 30 fps UNICAST / MULTICAST 10 steps 0.1 fps ~ 30 fps | | |
| Network | H.264 | Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality, Refresh Interval Transmission Type Refresh Interval Transmission Type | H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps W-SW172: H.264: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 640 x 360 / 320 x 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH | | |
| Network | H.264 JPEG Audio Comp | Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality, Refresh Interval Transmission Type Refresh Interval Transmission Type | H:24: 1;280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1;280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H:24: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Gonstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JCM/ NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps | | |
| Network | H.264 JPEG Audio Comp | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality. Refersh Interval Transmission Type Image Quality. Refersh Interval Transmission Type ression | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 40 × 360 / 320 × 180, up to 30 fps JPEG: 40 × 360 / 320 × 180, up to 30 fps JPEG: 40 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps (FT Mic Line) input / Audio output / Interactive (Full duplex) | | |
| NELWUK | H.264 JPEG Audio Comp | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality. Refersh Interval Transmission Type Image Quality. Refersh Interval Transmission Type ression | H:24: 1;280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1;280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H:24: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1;280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Gonstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JCM/ NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatio | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type reassion n for Audio | H.284: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps LOB × 720 / 640 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7, 7 / 10 / 12 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,086 / 8,192 kpps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio cuptur / Interative (Haid uplek) / Interactive (Fuil duplex) | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatio Total Bit Rate | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Refresh Interval Transmission Type ression n for Audio a | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPE3: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPE3: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 440 × 360 / 320 × 180, up to 30 fps JPE3: 640 × 360 / 320 × 180, up to 30 fps JPE3: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Got + 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 1 0 steps 0.1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps UNICAST / MULTICAST 0 / 16 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,546 / 2,048 / 4,072 / 4 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 4,072 / 4 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 4,072 / 4 / 168 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 4,072 / 4 / 168 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 4,072 / 4 / 168 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 4,072 / 4 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,066 / 8,192 kbps / Unlimited | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatio | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Refresh Interval Transmission Type ression n for Audio a | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 400 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplee Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 3,072 / 1,024 / 2,048 / 10 / 1,026 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 1,026 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 2,048 / 0,007 / 2,048 / 2,048 / 1,026 / 2,048 | | |
| Network . | H.264 JPEG Audio Comp Audio Mode Authenticatio Total Bit Rate | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Refresh Interval Transmission Type ression n for Audio a | H 244: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 400 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Gonstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7726 (ADPCM) 42 / 152 / 763 / 1,024 / 4,066 / 8,192 kbps / Unimited IPA (278) / 38 / 512 / 768 / 1,024 / 4,066 / 8,192 kbps / Unimited IPA (278) / 38 / 512 / 768 / 1,024 / 4,066 / 8,192 kbps / Unimited IPA (278) / 10 / 1175, RTP, RTP, RTP, RTP, SINP, DKC PP, SMTP, DKC P, MC | | |
| Network . | H.264 JPEG Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Refresh Interval Transmission Type ression n for Audio a | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 400 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex CorF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex CFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex CFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex CFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex CFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex CFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex CFF / Mic (Line) input / Audio output / Interactive (Half duplex / Interactive (Full duplex CFF / Mic (Line) input / Audio output / Interactive (Half duplex / Interactive (Full duplex / Interactive (| | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client | Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refersh Interval Transmission Type Refersh Interval Transmission Type Refersh Interval Transmission Type ression n for Audio Protocol | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps FULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 3,072 / 4,096 / 8,192 kbps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps FVLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Ine: TOPIIP, UDPIP, HTTP, HTTP, RTF, RTF, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F FTP Client No. of Simultz | Aspect ratio: [16 : 9] Transmission Mode Frame Rate: Bit Rate/Client Bit Rate/Client Refresh Interval Transmission Type resistion resistion rotocol n for Audio protocol neous Users | H.284: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps WV-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 060 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Gonstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPUL / 266 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8, 192 kbps LOW / NORMAL / FINE 1 fps ~ 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps GF7 / Mic (Line) input / Audio output / Interactive (Full duple Level 1 onty / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8, 192 kbps / Unlimited IP6: T0PH; UDP/IP, HTTP, HTTP, RTP, FTP, SMTP, MS, NTP, SMMP, DHCP6, MID, CMP, AFP IP4: TCP/IP, UDP/IP, HTTP, HTTP, RTP, FTP, SMTP, MS, NTP, SMMP, DHCP6, MID, CMP, AFP Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client | Aspect ratio: [16 : 9] Transmission Mode Frame Rate: Bit Rate/Client Bit Rate/Client Refresh Interval Transmission Type resistion resistion rotocol n for Audio protocol neous Users | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORIMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0 J.1 fps - 30 fps UNICAST / MULTICAST 10 steps 0 G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps 0 FF / Mic (Line) input / Audio output / Interactive (Fall duplex) / Interactive (Full duplex 4 / 128 / 256 / 344 / 51 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unimited IPs COPIP, UDP/N HTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F FTP Client No. of Simultz | Aspect ratio: [16 : 9] Transmission Mode Frame Rate: Bit Rate/Client Bit Rate/Client Refresh Interval Transmission Type resistion resistion rotocol n for Audio protocol neous Users | H 1241 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 900 × 060 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7, 7 / 10 / 12 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 Kpps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 67 / 16 (Line) input / Audio output / Interactive (Full duples Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 4,056 / 8,192 Kps / Unilmited Fw T07/PL/UPH: HTTP, HTP, HTP, SHP, PLP, SNMP, DKO+, MD, C/MP, APP FW-T0P/PL, UDP/PL, HTTP, HTP, RTP, SHP, DKO+, MD, C/MP, APP FW-T0P/PL, UDP/PL, HTTP, HTP, RTP, SHP, PMC+, MD, C/MP, APP Alarm image transmission, TFP periodic transmission Up to 14 users (Depends on network conditions) Manufactured by Panasonic SDHC memory card: 4 6B, 8 GB, 16 GB, 32 GB | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F FTP Client No. of Simultz | Aspect ratio: [16 : 9] Transmission Mode Frame Rate: Bit Rate/Client Bit Rate/Client Refresh Interval Transmission Type resistion resistion rotocol n for Audio protocol neous Users | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 5 / 30 fps UNICAST / MULTICAST 10 steps 0 . 11 fps - 30 fps UNICAST / MULTICAST 10 steps 0 . 11 fps / 30 fps UNICAST / MULTICAST 10 steps 0 . 11 fps / 30 fps UNICAST / MULTICAST 10 steps 0 . 01 fps / 30 fps UNICAST / MULTICAST 10 steps 0 . 11 fps / 30 fps UNICAST / MULTICAST 10 steps 0 . 01 fps / 30 fps UNICAST / MULTICAST 10 steps 0 . 01 fps / 10 / 12 / 12 / 12 / 12 / 12 / 12 / 12 | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F FTP Client No. of Simultz | Aspect ratio: [16 : 9] Transmission Mode Frame Rate: Bit Rate/Client Bit Rate/Client Refresh Interval Transmission Type resistion resistion rotocol n for Audio protocol neous Users | H 1241 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 900 × 060 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps JPEG: 440 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7, 7 / 10 / 12 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 Kpps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 67 / 16 (Line) input / Audio output / Interactive (Full duples Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 4,056 / 8,192 Kps / Unilmited Fw T07/PL/UPH: HTTP, HTP, HTP, SHP, PLP, SNMP, DKO+, MD, C/MP, APP FW-T0P/PL, UDP/PL, HTTP, HTP, RTP, SHP, DKO+, MD, C/MP, APP FW-T0P/PL, UDP/PL, HTTP, HTP, RTP, SHP, PMC+, MD, C/MP, APP Alarm image transmission, TFP periodic transmission Up to 14 users (Depends on network conditions) Manufactured by Panasonic SDHC memory card: 4 6B, 8 GB, 16 GB, 32 GB | | |
| Network | H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F FTP Client No. of Simultz | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality. Refersh Interaul Transmission Type Refersh Interaul Transmission Type Refersh Interaul Transmission Type ression n for Audio Protocol Intervention Intervention Protocol Intervention Intervention Protocol Intervention Intervention Protocol Intervention Interve | H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPE3: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H.264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPE3: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPE3: 640 × 360 / 320 × 180, up to 30 fps JPE3: 640 × 360 / 320 × 180, up to 30 fps JPE3: 640 × 360 / 320 × 180, up to 30 fps JPE3: 640 × 360 / 320 × 180, up to 30 fps JPE3: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps G / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps G.1 fps - 30 fps UNICAST / MULTICAST 10 steps G726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mc (Line) input / Audio output / Interactive (Full duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users G4 / 128 / 266 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IP4: TCP/PL 0/PIP, HTTP, HTTP, RTP, RTP, RTP, RTP, RTP, PTP, SMP, DHCP, DNS, DDNS, NTP, SNMP, UPAP, IGMP, IGMP, IGMP, APP Alarm image transmission, FTP periodic transmission Up to 14 users (Dependos on network conditions) Manufactured by Panasonic SDHC memory card: 256 MB, 512 MB, 1 GB, 2 GB SD memory card: 256 MB, 512 MB, 1 GB, 2 GB | | |
| | H.264 JPEG Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client No. of Simulta SDHC/SD Memo | Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type ression n for Audio protocol Ineous Users y Card (Option) on | H 264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps W-SW172: H 264: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 41,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 40 × 380 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps JPEG: 640 × 360 / 320 × 180, up to 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps ULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic Line) input / Audo output / Interactive (Fall duplex / Interactive (Full d | | |

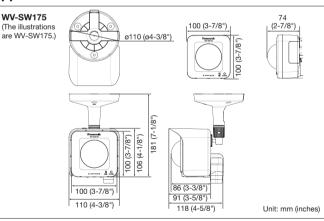
| TV System | | | NTSC | PAL | |
|---------------|------------------------------------|----------------------|--|--------------------------------------|--|
| Alarm | Alarm Source | | VMD, Command alarm | | |
| | Alarm Actions | | SDHC/SD memory recording, E-mail notification, Indication on browse | | |
| | | | FTP image transfer, Panasonic protocol output | | |
| | Alarm Log | | With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs | | |
| Schedule | | e | VMD | | |
| Input/ Output | Monitor Output (for adjustment) | | VBS: 1.0 V [p-p]/75 Ω, | VBS: 1.0 V [p-p]/75 Ω, | |
| | | | NTSC composite, ø3.5 mm mini jack | PAL composite, ø3.5 mm mini jack | |
| | Microphone/Line Input | | ø3.5 mm monaural mini jack, Input impedance: Approx. 2.2 kΩ | | |
| | | For microphone input | Applicable microphone: Plug-in power | r type, Supply voltage: 3.3 V ±0.5 V | |
| | | For line input | Input level: Approx. –10 dBV | | |
| | Audio Output | | ø3.5 mm stereo mini jack (monaural output),Output impedance: Approx. 560 Ω, Line level | | |
| | External I/O Terminals | | ALARM IN 1, ALARM IN 2/ ALARM OUT, ALARM IN 3/ AUX OUT, GND, 12 V DC | | |
| General | Safety/EMC Standard | | DOC (ICES003 ClassA) | CE, IEC60950-1 | |
| | | | | (EN55022 ClassB, EN55024) | |
| | Power Source and Power Consumption | | PoE (IEEE802.3af compliant), 12V DC | | |
| | | | PoE: 130 mA (Class 2 device), 12 V DC: 430 mA | | |
| | Ambient Operating Temperature | | -20 °C ~ +50 °C (-4 °F ~ 122 °F) | | |
| | Ambient Operating Humidity | | Less than 90 % (no condensation) | | |
| | Water and Dust Resistance | | Camera: IP55 (IEC60529) 15 | | |
| | Dimensions | | 100 mm (W) x 100 mm (H) x 74 mm(D) (3-47/50" x 3-47/50" (H) x 2-23/25") | | |
| | | | (excluding projection) | | |
| | Mass (approx.) | | Main body 350 g (0.77 lbs.) | | |
| | Finish | | Main body: PC/ABS resin, silver | | |
| | | | Dome section: Clear polycarbonate resin | | |

*1 Converted value *2 Refer to "Notes on Windows Vista® / Windows® 7" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 7 or Microsoft® Windows Vista®. *3 When using IPv6 for communication, use Microsoft® Windows® 7 or Microsoft® Windows Vista®. *3 Transmission for 2 streams can be individually set in the same compression method. *5 Only when installation work specified in this book is properly performed and appropriate waterproof treatment is performed.

Part Names and Functions



Appearance



Trademarks and registered trademarks
Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
- iPad, iPhone and iPod touch are registered trademarks of Apple Inc.
- UniPhier is a registered trademark of Panasonic Corporation.
- "Super Dynamic", "SDI", "SDI", "SDS", "SDS", "SDSL", "i-PRO" and "i-PRO SmartHD" logos are
trademarks or registered trademarks of Panasonic Corporation.
- ONVIF and the ONVIF logo are trademarks of ONVIF Inc.
Important

Important - Safety Precaution: carefully read the operating instructions and installation manual before using this product. - Panasonic can not be responsible for network performance and/or other manufacturer products that

reside on the network.

- Masses and dimensions are approximate.
 Specifications are subject to change without notice.
 These products may be subject to export control regulations.



DISTRIBUTED BY: