

Super Dynamic Weather Resistant HD Network Camera

WV-SW316L WV-SW316



HD / 1,280 x 960 H.264 Network Camera featuring Super Dynamic

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
- Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- Face Super Dynamic Range technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Day/Night (IR) function:
 WV-SW316L: 0.3 lx (Color), 0 lx (B/W) at F1.3 (Wide) when the IR LED is lit
 WV-SW316: 0.3 lx (Color), 0.05 lx (B/W) at F1.3 (Wide)
- Motorized varifocal lens equipped:
 The zoom ratio can be changed and adjusted to an optional photographic area through the operation buttons on this unit and the setup menu.
- IR LED equipped: The equipped infrared LED makes it possible to take pictures at zero lx.(WV-SW316L)
- VIQS (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
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Up to 6.4x Extra Optical Zoom under VGA resolution.
 3.1-10 mm, 3.2x vari-focal auto iris lens (3.1-20 mm (equivalent), 6.4x with Extra Optical Zoom (at VGA))
- VMD (Video Motion Detector) 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 is supplied to work with the WJ-NV200 /WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- 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 mode controls bit rate and compression ratio to provide the specified frame rate.
- 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
- Analog Monitor output for easier installation
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Dehumidification device for use in various weather conditions

Standard Accessories

| • Installation Guide |
|--|
| The followings are for installation. • 4P alarm cable |
| Camera mount bracket |
| *1 The CD-ROM contains the operating instructions (HTM |

Camera fixing screw (M4 x 8)
4 pcs. (of them, 1 for spare)
 Mount bracket cover screw (M3 x 6)
3 pcs. (of them, 1 for spare)
 Adapter box (PAL model only)........1 pc.

camera mount bracket (M5 x 20)(PAL model only)
camera mount bracket (M5 x 20)(PAL model only)
camera mount bracket (M5 x 20)(PAL model only)

*1 The CD-ROM contains the operating instructions (HTML, 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 Accessory

Adapter Box WV-Q120 (NTSC model only)



Specifications

| TV System | | | NTSC PAL | | |
|-----------------------------------|--|--|---|--|--|
| Camera | Image Sensor | | 1/3 type MOS Sensor | | |
| | Effective Pixels | | Approx. 1.3 megapixels | | |
| | Scanning Mode | | Progressive scan | | |
| | Scanning Are Minimum Illu | | 4.80 mm (H) x 3.60 mm (V) (3/16"(H) x 5/32"(V)) WV-SW316L: Color: 0.3 kx, B/W: 0 lx at F1.3 (Shutter: 1/30 s, AGC: High, when the IR LED is | | |
| | IVIII III III III III III III III III I | mination | Color: 0.019 k, at F1.3 (Shutter: 16/30 s, AGC: High) WV-SW316: Color: 0.3 k, B/W: 0.05 k at F1.3 (Shutter: 1/30 s, AGC: High) | | |
| | IR LED Light | | Color: 0.019 k, B.W.: 0.003 k at F1.3 (Shutter: 16/30 s, AGC: High) WV-SW316L: Off/Auto(High/Mid/Low) | | |
| | IR LED irradia | | WV-SW316L: 15 m {49.21 feet} AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K) | | |
| | White Balance Light Control Mode Shutter Speed | | Outdoor: Automatic integration of ALC and ELC Indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 s) | | |
| | | | Indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 s) Fix shutter: 1/30, 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250,1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 (only at Super-Dynamic Off | | |
| | Super Dynamic | | ON / OFF | | |
| Face Supe | | | ON / OFF (Only at Super Dynamic: ON) | | |
| | Adaptive Black Stretch | | ON / OFF (Only at Super Dynamic: OFF) | | |
| | AGC | alabata . LID | ON LCOW, MID, HIGH) / OFF OFF / AUTO (Max. 24 (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s) Mode: AUTO1 / AUTO2 / ON / OFF, Level:High / Low, with external control 52 dB by, (Super Dynamic: On, Light control mode: indoor scene) High / Low | | |
| | Electronic Sen Day & Night (IR | | | | |
| | Dynamic Range | | | | |
| | Digital Noise Re | | | | |
| | Video Motion Detection Privacy Zone VIQS | | 4 areas, Sensitivity: 15 steps, Detection size: 10 steps Up to 2 zones, Gray ON / OFF | | |
| | | | | | |
| | | | | | |
| | Camera Title (OSD) | | Up to 20 characters (alphanumeric characters, marks) | | |
| ono | Focus Adjustment | | ABF / MANUAL 3.1 mm - 10 mm 3.2 v /3.1-20 mm (equivalent) 6.4 v with Extra Ontical Zoom (at V/GA)) | | |
| Lens | Focal Length Angular Field o | f Viow | 3.1 mm \sim 10 mm, 3.2x (3.1-20 mm (equivalent), 6.4x with Extra Optical Zoom (at VGA)) H: 27.9° (TELE) \sim 90.6° (WIDE), V: 20.9° (TELE) \sim 66.9° (WIDE) 1: 1.3 (WIDE) \sim 1 : 3.0 (TELE) (0.3 m \sim 8° | | |
| | Maximum Aper | | | | |
| | Focusing Rang | | | | |
| Adjusting A | | | Horizontal: ±100° (Camera mount bracket) | | |
| _,_oiy F | o | | Vertical: +30°, -90° (Camera mount bracket) | | |
| Browser GUI | Camera Contro | ı | Brightness, AUX ON / OFF | | |
| | Display Mode | | Spot, Quad: Image from 16 cameras can be displayed in 4 different Qua | | |
| | . , | | screens or 16 split screen (JPEG only). 20 characters camera title available. | | |
| | Digital Zoom | | 1x, 2x, 4x controlled by browser GUI | | |
| | 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 Cap | ture | A still picture will be displayed on a newly opened window. | | |
| | Audio | | Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High, | | |
| | SD Memory Data Download | | Audio Output: ON / OFF Volume adjustment: Low / Middle / High Still or motion Images recorded in the SDHC/SD memory | | |
| | OD Wichiory D | ata Download | card can be downloaded. | | |
| | GUI/Setup Menu Language System Log Supported OS '1 '2 Supported Browser | | English, French, Italian, Spanish, German, Russian, Chinese, Japanese | | |
| | | | Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when | | |
| | | | therecording format is set to JPEG, error logs Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9,0 (32 bit), Windows® Internet Explorer® 8,0 (32 bit) Windows® Microsoft® Internet Explorer® 8,0 (32 bit) Windows® Microsoft® Internet Explorer® 8,0 (32 bit) | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Network | No. | | Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 | | |
| Network | Network IF Image Resolution *4 | Accord ratio: [4 · 3] | 10Base-T / 100Base-TX, RJ-45 connector H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 f | | |
| | mage resolution | ropost tallot [1.0] | MPEG-4: VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG (M-JPEG): 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fp | | |
| | | Aspect ratio: [16:9]*3 | H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps | | |
| | | | JPEG (M-JPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps | | |
| | H.264/MPEG-4 *5 *6 | Transmission Mode | | | |
| | | | 1/3/5/7.5/10/12/15/20/30 fps | | |
| | | Bit Rate/Client | 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / | | |
| | 1 | Imaga OI'it | 4,096 / 8,192* kbps * H.264 mode only | | |
| | 1 | Image Quality Refresh Interval | LOW / NORMAL / FINE | | |
| | 1 | | UNICAST / MULTICAST | | |
| | JPEG | Image Quality | 10 steps | | |
| | | | 0.1 fps ~ 30 fps | | |
| | 1 | Transmission Tyne | PULL / PUSH | | |
| | Audio Compi | | G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps | | |
| | Audio Mode Authentication for Audio Total Bit Rate Supported Protocol | | 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 | | |
| | | | IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, A | | |
| | | | IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP,SMTP, DHCP, DNS, DDNS, NTP, | | |
| | | | SNMP, UPnP, IGMP, ICMP, ARP | | |
| | | | Alarm image transmission, FTP periodic transmission (When the | | |
| | FTP Client | | FTP transmission is failed, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions) | | |
| | | nus Heare | | | |
| | No. of Simultane | | Up to 14 users (Depends on network conditions) | | |
| | | | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC | | |
| | No. of Simultane | | Up to 14 users (Depends on network conditions) | | |
| | No. of Simultane SDHC/SD Memo | ry Card (Option) | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failun | | |
| | No. of Simultane SDHC/SD Memo | ry Card (Option) | Up to 14 users (Depends on network conditions) H264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failun Compatible SD (SDHC) card: Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC card ON / OFF (with XML notification) | | |
| | No. of Simultane SDHC/SD Memo Face Detection | ry Card (Option) on c Compatibility | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pre/Post) / Backup upon network failur Compatible SD (SDHC) card: Panasonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo *SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) | | |
| | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termina | ry Card (Option) on c Compatibility al Compatibility ⁷ | Up to 14 users (Depends on network conditions) H 264 recording: Manual REC / Alarm REC (Pe/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failun Compatible SD (SDHC) card Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC acd ON / OFF (with XML notification) JPEG image, AUX control (by access level) "Pad, (Phone, Pod touch (IOS 4.2.1 or later) Android™ mobile termina | | |
| Alarm | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termina Alarm Source | on Compatibility Compatibility | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun Compatible SD (SDHC) card: Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile termina 1 terminal input, VMD, Command alarm | | |
| Alarm | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termina | on Compatibility Compatibility | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pse/Post) / Backup upon network failun Compatible SD (SDHC) card: Parassonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB, 8 GB*, 16 GB*, 32 GB* mo "SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android** mobile terminal Terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu | | |
| Alarm | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termina Alarm Source Alarm Action | on Compatibility Compatibility | Up to 14 users (Depends on network conditions) H 264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun Compatible S0/S0HC) card: Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 22 GB* mo 'SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) iPad, iPhone, iPod touch (ip (Sc 4.2.1 or later) 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol outpu | | |
| Alarm | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termina Alarm Source Alarm Action | on Compatibility Compatibility | Up to 14 users (Depends on network conditions) H264 recording: Manual REC / Alarm REC (PerPost) / Shedue JPEC H264 recording: Manual REC / Alarm REC (Pest) / Backup upon network failun SheG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun ShHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile termina 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol outpu Wth SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs. | | |
| | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termina Alarm Source Alarm Action Alarm Log Schedule | on Compatibility Compatibility S | Up to 14 users (Depends on network conditions) H 264 recording: Manual REC / Alarm REC (PerPost) / Shedula REC JPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun Compatible St) (SI)HC) card Parassonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 22 GB* mo SNHC (ard ON / OFF (with XML notification) JPEG image, AUX control (by access level) IPad, IPhone, IPod touch (IOS 4.2.1 or later) Android™ mobile terminal 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol outpu With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / VMD / Access permission / H284 recording Foroibe black & white model(WV-SWS) | | |
| | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termine Alarm Source Alarm Action Alarm Log Schedule Monitor Output | ry Card (Option) On Compatibility If Compatibility S (for adjustment) | Up to 14 users (Depends on network conditions) H264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun Compatible SD (SDHC) card: Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 26 GB* mo SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) JPEG image, AUX control (by access level) JPEG image, PGD touch (DS 4.2.1 or later) Android¹™ mobile termina 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol outpu With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / VMD / Access permission / H264 recording/ Foroibe black & white mode(W-SN3 SNS 10 VB-pJ/75 Q, NTSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBS: 10 V [p-J/75 Q, PRSC composte, RCA Jask VBSC composte | | |
| | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termina Alarm Source Alarm Action Alarm Log Schedule | ry Card (Option) On Compatibility If Compatibility S (for adjustment) | Up to 14 users (Depends on network conditions) H264 recording: Manual REC / Alarm REC (PerPost) / Sheckup pon network failun PJPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun JPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile termina 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol output Mth SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / WMD / Access permission / H264 recording/ Forcible black & white model/W/SW3 MIC IN and Line IN are selectable. a3.5 mm stereo mini jack | | |
| | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termine Alarm Source Alarm Action Alarm Log Schedule Monitor Output | ry Card (Option) On Compatibility If Compatibility S (for adjustment) | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (PerPost) / Sackup upon network failun Legar (Post) / Backup upon network failun Compatible S0 (SIHC) card Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 22 GB* mo SDHC (Alarmage, ALIX control (by access level) PERG image, ALIX control (by access level) PERG, IPOne, IPOd touch (IOS 4.2.1 or later) Android¹™ mobile terminal 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Pansasonic protocol outpu With SDHC/SD memory card: 5,000 Igs, without SDHC/SD memory card: 1,000 Ig Alarm / MDI/ Access permission / H.264 recording Foroible black & white moddleW-NSW 188:10 V [p-p]/75 Ω, NTSC composte, RCA Lack VBS: 1.0 V [p-p]/75 Ω,PAL composte, RCA Lack MIC IN and Line IN are selectable microphone: Pflug-in power type) | | |
| | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termine Alarm Source Alarm Action Alarm Log Schedule Monitor Output Microphone/ | on Compatibility | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun Compatible SD (SDHC) card: Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) Pada, IPhone, IPod touch (OS 4.2.1 or later). Android™ mobile termina 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol outpu With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / VMD / Access permission / H.264 recording/ Forcible black & white model/W-SN3 WSE 1.0 V [P.J/S Q. NTSC composte, RCA Jast / VBS: VI) V [P.J/S Q. NTSC composte, RCA Jast / WSE MIC IN and Line IN are selectable. α3.5 mm stereo mini jack (monaural input) (Applicable microphone: Plug-in power type) Supply voltage: 2.5 V ± 0.5 V lnput impedance: approx. 2 kΩ | | |
| | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termine Alarm Action Alarm Action Alarm Log Schedule Monitor Output Microphone/ | on Compatibility | Up to 14 users (Depends on network conditions) H 264 recording: Manual REC / Alarm REC (PerPost) / Sackup upon network failun Leaf recording: Manual REC / Alarm REC (Pest) / Backup upon network failun Compable S0 (S0HC) card *Panssonic 256 MB, 512MB, 168, 268, 468°, 868°, 1668°, 2668° no S9HC (264) ON / OFF (with XML notification) JPEG image, AUX control (by access level) IPad, IPhone, IPod touch (IOS 4.2.1 or later) Android™ mobile terminal 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol outpu With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / VMD / Access permission / H264 recording/ Foroible black & white model/WV-WSV VSB: 10 V [p-j/75 Q, NTSC composite, RC4 alack MIC IN and Line IN are selectable. 63.5 mm stereo mini jack (monaural input) (Applicable microphone: Plug-in power type) Supply voltage: 2.5 V ±0.5 V Input impedance: approx. 2 kΩ 30.5 mm stereo mini jack (monaural output) Line level | | |
| Input/ Output | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termine Alarm Source Alarm Action Alarm Log Schedule Monitor Output Microphone/ Audio Output External I/O | on Compatibility | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (PerPost) / Backup upon network failun Compatible S0/SDHC) card: Panasonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC / SDHC (ard: Panasonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC / SDHC (MITH) AMAL NOTIfication) JPEG image, AUX control (by access level) IPEG, image, AUX control (by access level) Indication on browser, FTP image transfer, Panasonic protocol outpt With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / MUD / Access permission / H284 recording/ Fortible black & white model(MV-SMS) VBS: 1.0 V[p-p]/T5 Q, NTSC composte, RCA Jack VBS: 1.0 V[p-p]/T5 Q,PAL compo | | |
| Alarm Input/ Output General | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termine Alarm Action Alarm Action Alarm Log Schedule Monitor Output Microphone/ | on Compatibility | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pest) / Backup upon network failun Compatible SD (SDHC) card: Panssonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) Pad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile termina 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal outpu Indication on browser, FTP image transfer, Panasonic protocol outpu With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / WND / Access permission / 1.264 recording/ Forcible black & white mode(WV-SW3 WSE: 1.0 Y [p./75] x INSC composts. RCA Jast / YSE: 1.0 Y [p./75] x [p./75] x [p./75] MIC IN and Line IN are selectable. o3.5 mm stereo mini jack (monaural input) (Applicable microphone: Plug-in power type) Supply voltage: 2.5 f v ± 0.5 v Input impedance: approx. 2 kΩ o3.5 mm stereo mini jack (monaural output) Line level ALARM IN, DAY/NIGHT IN, ALARM OUT, AUX OUT ULU650950-11, FCC (Part15 ClassA), CE | | |
| Input/ Output | No. of Simultane SDHC/SD Memo Face Detecti Cellular Phone Mobile Termine Alarm Source Alarm Action Alarm Log Schedule Monitor Output Microphone/ Audio Output External I/O | on Compatibility | Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (PerPost) / Backup upon network failun Compatible S0/SDHC) card: Panasonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC / SDHC (ard: Panasonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mo SDHC / SDHC (MITH) AMAL NOTIfication) JPEG image, AUX control (by access level) IPEG, image, AUX control (by access level) Indication on browser, FTP image transfer, Panasonic protocol outpt With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log Alarm / MUD / Access permission / H284 recording/ Fortible black & white model(MV-SMS) VBS: 1.0 V[p-p]/T5 Q, NTSC composte, RCA Jack VBS: 1.0 V[p-p]/T5 Q,PAL compo | | |

| TV System | | NTSC | PAL | |
|--|-------------------------------|--|---|--|
| General Power Source and Power Consumption | | 12 V DC: 850 mA | | |
| | | * FOR UL LISTED MODEL(S), ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY. | | |
| | | PoE (IEEE 802.3af compliant) 48 V: 200 mA (Class 0 device) | | |
| | Ambient Operating Temperature | -40 °C ~ +50 °C (-40 °F to 122 °F) | | |
| | Ambient Operating Humidity | 90 % or less (without condensation) | | |
| | Water and Dust Resistance | IP66, IEC60529 measuring standard compatible | | |
| Dimensions 94 mm | | 94 mm (W) × 89 mm (H) × 226 mm (L) | (3-7/10" (W) × 3-1/2" (H) × 8-7/8" (L)) | |
| | Mass (approx.) | 1.4 kg (3.09 lbs.) | | |
| | Finish | Main body: Aluminum die cast/resi | n, metallic silver coating | |
| | | Front cover section clear part: Poly | carbonate resin | |

- Front cover section clear part: Polycarbonate resin

 1 For further information about PC system requirements and precautions for when using Microsoft Windows 7, Microsoft Windows Vista, or Windows Internet Explorer, click "Manual"-"Open" from the supplied CD-ROM and refer to "Notes on Windows / Internet Explorer versions". For information on the camera models of the supported operating systems, refer to our website (http://panasonic.net/pss/security/support/index.html).

 2 When using IP-V6 for communication, use Microsoft Windows 7 or Microsoft Windows Vista.

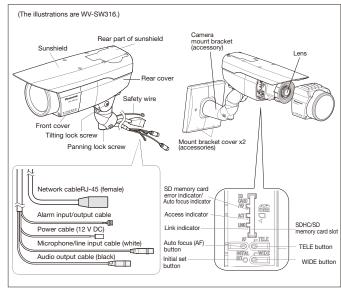
 3 MPEG-4 is not supported. "4 [4: 3] and [16: 9] are alternative.

 5 H.264 and MPEG-4 are alternative. "6 Transmission for 2 streams can be individually set in the same compression method.

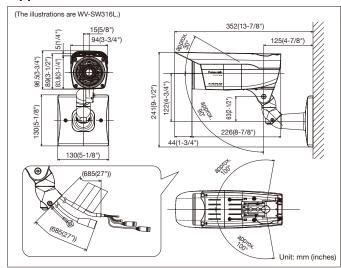
- same compression method.

 *7 For further information about compatible devices, refer to our website (http://panasonic.net/pss/security/support/info.html).

Part Names and Functions



Appearance



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- 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
- Masses and dimensions are approximate.
 Specifications are subject to change without notice.
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