Panasonic

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* 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 at 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
- 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
- Fog compensation function equipped as standard.

Standard Accessories

- Installation Guide1 pc.
 CD-ROM*11 pc. • Code Label*2.....1 pc. The following is used during installation procedures: 4P alarm cable.....1 pc. Adapter box1 pc. • 2P power cable... Adapter box mounting screw1 pc Camera mount bracket1 pc. (M4 x 35)... ..1 pc. Mount bracket cover 2 pc Mounting screws for adapter box / camera mount bracket (M5 x 20) Waterproof tape1 pc • Camera fixing screw (M4 x 10)4 pcs. (of them, 1 for spare)5 pcs. (of them, 1 for spare)
- *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.

Specifications

TV System Camera	Image Sensor		NTSC PAL 1/3 type MOS Sensor	
Jamela	Effective Pixels		1/3 type MOS Sensor Approx. 1.3 megapixels	
	Scanning Mode		Progressive scan	
	Scanning Area		4.80 mm (H) x 3.60 mm (V) (3/16"(H) x 5/32"(V))	
	Minimum Illumination		WV-SW316L: Color: 0.3 k, B/W: 0 k at F1.3 (Shutter: 1/30 s, AGC: High, when the IR LED is lit),	
			Color: 0.019 lx, at F1.3 (Shutter: 16/30 s, AGC: High)	
			WV-SW316: Color: 0.3 lx, B/W: 0.05 lx at F1.3 (Shutter: 1/30 s, AGC: High),	
	IR LED Light		Color: 0.019 lx, B/W: 0.003 lx at F1.3 (Shutter: 16/30 s, AGC: High) WV-SW316L: Off/Auto(High/Mid/Low)	
	IR LED Light		WV-SW316L: 15 m {49.21 feet}	
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)	
	Light Control Mode		Outdoor: Automatic integration of ALC and ELC	
	Shutter Speed		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,	
	Super Dynamic		1/250,1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 (only at Super-Dynamic Off) ON / OFF	
	Face Super Dynamic		ON / OFF (Only at Super Dynamic: ON)	
	Adaptive Black Stretch		ON / OFF (Only at Super Dynamic: OFF)	
	AGC		ON (LOW, MID, HIGH) / OFF	
	Electronic Sensitivity UP		OFF / AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s))	
	Day & Night (IR)		Mode: AUTO1 / AUTO2 / ON / OFF, Level:High / Low, with external control	
	Dynamic Range Digital Noise Reduction		52 dB typ. (Super Dynamic: On, Light control mode: indoor scene) High / Low	
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 steps	
	Privacy Zone		Up to 2 zones, Gray	
	VIQS		ON / OFF	
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks)	
	Focus Adjustment		ABF / MANUAL	
Lens	Focal Length		3.1 mm ~ 10 mm, 3.2x (3.1-20 mm (equivalent), 6.4x with Extra Optical Zoom (at VGA))	
	Angular Field of View		H: 27.9° (TELE) ~ 90.6° (WIDE), V: 20.9° (TELE) ~ 66.9° (WIDE)	
	Maximum Aperture Ratio Focusing Range		1 : 1.3 (WIDE) ~ 1 : 3.0 (TELE) 0.3 m ~ ∞	
Adjusting A			0.3 m ~ ∞ Horizontal: ±100° (Camera mount bracket)	
,usung P	•		Vertical: +30°, -90° (Camera mount bracket)	
Browser GUI			Brightness, AUX ON / OFF	
	Display Mode		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.	
	Digital Zoom		1x, 2x, 4x controlled by browser GUI	
	Camera Title		Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)	
	Clock Display Alarm Control			
	One Shot Capture		Reset A still picture will be displayed on a newly opened window.	
	Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,	
	/ ddio		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.	
	GUI/Setup Menu Language		English, French, Italian, Spanish, German, Russian, Chinese, Japanese	
	System Log		Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when	
			therecording format is set to JPEG.) error logs	
	Supported OS 1 2		Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®,	
	Supported Browser		Microsoft® Windows® XP SP3	
			Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit),Windows® Internet Explorer® 7.0 (32 bit),	
			Microsoft® Internet Explorer® 6.0 SP3	
Network	Network IF		10Base-T / 100Base-TX, RJ-45 connector	
	Image Resolution 14	Aspect ratio: [4:3]	H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps	
			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 fps	
		Aspect ratio: [16 : 9]*3	H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps	
	H.264/MPEG-4 15 16	Transmission Mode	JPEG (M-JPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps	
			Constant bitrate / Framerate priority / Best effort / Advanced VBR 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 /	
		Bit Rate/Glieni		
		BIT Hate/Client	4,096 / 8,192* kbps * H.264 mode only	
		Image Quality	4,096 / 8,192* kbps * H.264 mode only LOW / NORMAL / FINE	
		Image Quality Refresh Interval	LOW / NORMAL / FINE 0.2 s ~ 5 s	
		Image Quality Refresh Interval Transmission Type	LOW / NORMAL / FINE 0.2 s ~ 5 s UNICAST / MULTICAST	
	JPEG	Image Quality Refresh Interval Transmission Type Image Quality	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps	
	JPEG	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps	
		Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH PULL / PUSH	
	Audio Comp	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps	
	Audio Comp Audio Mode	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF //lis (Line) input / Audio output / Interactive (Hall duplex) / Interactive (Full duplex)	
	Audio Comp Audio Mode Authenticatic	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression	LOW / NORMAL / FINE 0.2 s - 5 s 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 duplex) Level 1 only / Level 2 higher / All users	
	Audio Comp Audio Mode	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G776 (kDPCM) 32 kbps / 16 kbps, G.711 64 kbps G7F / Mic Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 788 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited	
	Audio Comp Audio Mode Authenticatic Total Bit Rate	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G776 (kDPCM) 32 kbps / 16 kbps, G.711 64 kbps G7F / Mic Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 788 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e	LOW / NORMAL / FINE 0.2 s - 5 s 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) nput / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 344 / 512 / 788 / 1024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCPIIP, UDPIIP, HTTP, HTTPs, RTP, FITP, SMTP, DMCP, HDP, MIC, DMCP, APR IPv4: TCPIIP, UDPIIP, HTTP, HTTPs, RTP, RTP, RTP, RTP, RTP, SMTP, DHCP, MIC, DMCP, APR IPv4: TCPIIP, UDPIIP, HTTP, HTTPs, RTSP, RTP, RTPRTCP, FTP, SMTP, DHCP, DNS, DDWS, NTP, SMIP, UPv6, IGMP, IDMP, APP	
	Audio Compi Audio Mode Authenticatic Total Bit Rate	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e	LOW / NORMAL / FINE 0.2 s - 5 s 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] nput / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 126 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPe: TOPIU, DUPII, HTTP, HTTS, RTSP, RTP, RTP/RTCP, FTP, SMTP, D4CPe, ML, DUM, APR PM-t TOPIU, UDPIIP, HTTP, HTTSP, RTSP, RTP, RTP/RTCP, FTP, SMTP, D4CPe, ML, DUM, APR SMMP, UPAP, IGMP, CMP, APP Alarm image transmission, FTP periodic transmission (When the	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P	Image Quality Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol	LOW / NORMAL / FINE 0.2 s - 5 s 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 duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1.024 / 2.048 / 4.096 / 8.192 kbps / Unimited IP-6: TCP/IP, UDP/IP, HTP, HTPS, RTP, RTP, RTP, RTP, RTP, SMP, DHCP, 6, MD, ICMP, ARF IP-6: TCP/IP, UDP/IP, HTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTM/RCP, PTS, SMP, DHCP, 6, MD, ICMP, ARF IP-4: TCP/IP, UDP/IP, HTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, RTP, SMP, DHCP, 6, MD, ICMP, ARF IP-4: TCP/IP, UDP/IP, HTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, SMP, DHCP, MS, DDNS, NTP, SMPU, UP/IP, GMP, ICMP, ADP	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult	Image Quality Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval ITransmission Type ression on for Audio e rotocol	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF //Mc [Line] nput / Audio output / Interactive [Half duplex] / Interactive [Full duplex] Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 34 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Pek: TOPII, UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DIS, MTP, SMMP, Di-CP, ML, DUPIP, HTTP, HTTPs, RTP, FTP, SMTP, DIS, MTP, SMTP, Di-CP, DNS, DDNS, NTP, SMMP, UPP, IGMP, IDMP, PMP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions)	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P	Image Quality Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval ITransmission Type ression on for Audio e rotocol	LOW / NORMAL / FINE 0.2 s - 5 s 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) put / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 126 / 256 / 384 / 512 / 768 / 1.024 / 2.048 / 4.096 / 8.192 kbps / Unlimited 1%- fOPR/ UDPI/ HTP, HTPS, HTPS, HTP, RTP, MTP, DNP, DNC-P6, MLD, (DM, PAR 1%- fOPR/ UDPI/ HTP, HTTP, STRS, PT, RNT, PNR / DNC-P6, MLD, (DM, PAR 1%- fOPR/ UDPI/P, HTTP, HTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP-, DNS, DDNS, NTP, SNMP, UPMP, GMP, GMP, GMP, ADP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions) H264 recording: Manual REC / Amm REC (Pre/PoX) / Schedule REC	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult	Image Quality Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval ITransmission Type ression on for Audio e rotocol	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mc [Line] npu / Audio outpu / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 348 / 512 / 788 / 1024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IP-6: TOPIP, UDPIP, HTTP, HTTPs, RTP, FIP SMTP, DNS, NTP, SMMP, DHCPs, MLD, CMP, ARE IP-4: TOPIP, UDPIP, HTTP, HTTPs, RTP, FIP SMTP, DNS, NTP, SMMP, DHCPs, MLD, CMP, ARE IP-4: TOPIP, UDPIP, HTTP, HTTPs, RTP, FIP periodic transmission (When the FTP transmission is falled, Labcuy on an optional SDHC/SD memory card is available). Up to 14 users (Depends on network conditions) H284 recording: Manual REC / Alarm REC (PreSt) / Backup EC JEPG recording: Manual REC / Alarm REC (PreSt) / Backup EC	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult	Image Quality Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval ITransmission Type ression on for Audio e rotocol	LOW / NORMAL / FINE 0.2 s - 5 s 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) mpu/ 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 Pei- TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, MP, SMMP, DHCP6, MLD, IGMP, AFP Pei- TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, MP, SMMP, DHCP6, MLD, IGMP, AFP Pie- TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, TP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPP, SMP, CMP, APP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available). Up to 14 users (Depends on network conditions) H284 recording: Manual REC / Alarm REC (Pest) / Backup upon network failure Orpatile SD (DHC) card: Phasonic 256 MB, S12MB, 16 A, 268 , 469 , 56 B, 15 C 9, 20 B ⁺ model	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult SDHC/SD Memo	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol	LOW / NORMAL / FINE 0.2 s - 5 s 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 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 1%- (TOPH, UDPH, HTT, HTTS, RTSP, RTP, RTPIRTCP, NTP, SMIP, DHC-Ke, MLD, (DM, PAR 1%- (TOPH, UDPH, HTT, HTTS, RTSP, RTP, RTPIRTCP, FTP, SMTP, DHC-Ke, MLD, (DM, PAR 14/ 128 / 256 / 384 / 512 / 768 / 1.024 / 2.048 / 4.096 / 8.192 kbps / Unlimited 1%- (TOPH, UDPH, HTTP, HTTS, RTSP, RTP, RTPIRTCP, FTP, SMTP, DHC-Ke, MLD, (DM, PAR 14/ atrom image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions) H264 recording: Manual REC / Alarm REC (Peost) / Backup upon network failure Compatible S0 (SDHC) card. Panasonic 256 MB, 512MB, 168, 268, 468 / 869 / 16 68 ⁹ , 32 68 ⁴ model	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone	Image Quality Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval ITransmission Type ression on for Audio e rotocol	LOW / NORMAL / FINE 0.2 s - 5 s 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) mpu/ 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 Pei- TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, MP, SMMP, DHCP6, MLD, IGMP, AFP Pei- TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, MP, SMMP, DHCP6, MLD, IGMP, AFP Pie- TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, TP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPP, SMP, CMP, APP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available). Up to 14 users (Depends on network conditions) H284 recording: Manual REC / Alarm REC (Pest) / Backup upon network failure Orpatile SD (DHC) card: Phasonic 256 MB, S12MB, 16 A, 268 , 469 , 56 B, 15 C 9, 20 B ⁺ model	
Alarm	Audio Comp Audio Mode Authenticatic Total Bit Rat Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Source	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility al Compatibility ⁷ e	LOW / NORMAL / FINE 0.2 s - 5 s 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) nput / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 344 / 512 / 786 / 1024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IP-6: TOPI/ UDPIP. HTTP, HTTPs, RTP, FITP, SMTP, DNS, MTP, SMNP, DHCPs, MLD, CMP, ABF IP-4: TOPI/P, UDPIP. HTTP, HTTPs, RTP, FITP, SMTP, DNS, MTP, SMNP, DHCPs, MLD, CMP, ABF IP-4: TOPIP. UDPIP. HTTP, HTTPs, RTP, FITP periodic transmission (When the FTP transmission is falled, Labcuy on an optional SUHC/SD memory card is available). Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pers/Bd) / Sackup upon network failure /PEG recording: Manual REC / Alarm REC (Pers/Bd) / Sackup upon network failure /PEG recording: Manual REC / Alarm REC (Pers/Bd) / Sackup upon network failure /PEG recording: Manual REC / Alarm REC (Pers/Bd) / Sackup upon network failure /PEG recording: Manual REC / Alarm REC (Pers/Bd) / Sackup upon network failure /PEG recording: Manual REC / Alarm REC (Pers/Bd) / Sackup REC J/PEG image, AUX control (by access level) I/Pad, IPhone, I/Pod touch (ICS 4.2.1 or later) / Android TM mobile terminals 1 terminal input, VMD, Command alarm	
Alarm	Audio Comp Audio Mode Authenticatic Total Bit Rat Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Terming	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility al Compatibility ⁷ e	LOW / NORMAL / FINE 0.2 s - 5 s 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] mput / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 788 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited 196: TOPII: UDPIP, HTP, HTTPs, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCP, MN, DUMP, ATH 196: TOPII: UDPIP, HTP, HTTPs, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCP, MN, DUMP, ATH 196: TOPII: UDPIP, HTP, HTTPs, RTP, FTP, SMTP, DNS, NTP, SMMP, UHCP, MN, DUMP, ATH 196: TOPII: UDPIP, HTP, HTTPs, RTP, FTP, SMTP, DNS, NTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UHP, SMP, CMP, AMP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions) H284 recording: Manual REC / Jamm REC (ParPost) / Schedule REC JPEG recording: Manual REC / Jamm REC (ParPost) / Schedule REC JPEG recording: Manual REC / Jamm REC (ParPost) / Schedule REC JPEG recording: Manual REC / Jamm REC (ParPost) / Backup upon network failture Compatible SD (SDHC) card: Parasonic 256 MB, 512MB, 168, 2 68, 4 6B', 8 6B', 16 6B', 32 6B' model *SDHC card JPEG image, AUX control (by access level) iPad, [Phone, iPod touch (ICS 4.2.1 or later) / Android TM mobile terminals 1 terminal in junt, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal output,	
Alarm	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Source Alarm Action	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility al Compatibility ⁷ e	LOW / NORMAL / FINE 0.2 s - 5 s 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 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 1%6 : TOPH, UDPH, HTTP, HTTS, HTF, RTSP, RDK, NDK, NTS, NMP, DHCP6, ML, UCMP, ARP 1%6 : TOPH, UDPH, HTTP, HTTS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP6, ML, UCMP, ARP 1%6 : TOPH, UDPH, HTTP, HTTSP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP6, ML, UCMP, ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available). Up to 14 users (Depends on network conditions) 14264 recording: Manual REC / Alarm REC (Post) / Sackup upon network failure Compatibe SD/DKIC arb Pansenic 256 MB, 512MB, 1.08, 2.08, 4.08, 8.08, 5.08, 5.08 model 'SDHC card JPEG fimage, AUX control (by access level) 1Pad, Phone, IPod touch (DS 4.2.1 or later). Android™ mobile terminals 1 terminal input, VMD, Command alarm SDHC/SD memory recording. E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output,	
Alarm	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simulta SDHC/SD Memo Cellular Phone Mobile Termine Alarm Source Alarm Action	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility al Compatibility ⁷ e	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF //ls (Line) nput / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 344 / 512 / 788 / 1024 / 208 / 408 / 8, 138 kbps / Unlimited IP-6: TCPIP, UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DMS, NTP, SMMP, DHCP-6, MLD, ICMP, AFE IP-4: TCPIP, UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DMS, NTP, SMMP, DHCP-6, MLD, ICMP, AFE IP-4: TCPIP, UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DMS, NTP, SMMP, DHCP, 6, MLD, ICMP, AFE IP-4: TCPIP, UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, ONS, NTP, SMMP, DHCP, 6, MLD, ICMP, AFE IP-4: TCPIP, UDPIP, HTTP, HTTPs, RTP, RTP, RTP/RTC, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UP-9, IAMP, IAMP, APP Alarm image transmission in FTP periodic transmission (When the FTP transmission is falled, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (Pare/Tost) / Backup upon network fallure Compatible SD(SDHC) card: Pansonic 256 MB, 512MB, 16B, 26B, 46B', 66B', 16B'', 32 GB' model 'SDHC card JPEG Image, AUX control (by access level) IPad, IPhone, iPod touch (ICS 4.2.1 or later) Android™ mobile terminals 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output With SDHC/SD memory card: 5000 logs, without SDHC/SD memory card: 1000 logs	
	Audio Comp Audio Mode Authenticatic Total Bit Rat Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Action Alarm Action Alarm Log Schedule	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression no for Audio e rotocol aneous Users ry Card (Option) e Compatibility a Compatibility? e s	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic [LiPa jmg/1 Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 126 / 256 / 384 / 512 / 786 / 1.024 / 2.048 / 4.096 / 8,192 kbps / Unlimited IPie-1079i, UD9/P, HTP, HTPs, RTP, FTP, SMTP, DISN, MTP, SMMP, DicChe, MLD, CIMP, AFF 1Pie-1079i, UD9/P, HTP, HTTPs, RTP, RTP, RTP, RTP, RTP, RTP, RTP, PLOP, DNS, DDNS, NTP, SMMP, UPAP, GMP, CMP, APP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available). Up to 14 users (Depends on network conditions) H284 recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compatibe SD(DNC) card: Pansone 26 MB, 512MB, 16 8, 26 8, 66 8, 56 B, 16 8, 32 GP mode 'SDHC card JPEG image, AUX control (by access level) IFed, Phone, IPod touch (CS 4.2.1 or later) Android TM mobile terminals 1 terminal input, VMD, Command alarm SDHC/SD memory recording. E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs Alarm /WD/ Access permission / H284 recording froble black & without BDHC/SD memory card: 1,000 logs	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Source Alarm Source Alarm Log Schedule Monitor Output	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility e s s	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 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] nput / Audio output / Interactive [Half duplex] / Interactive [Full duplex] Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 344 / 512 / 768 / 1024 / 2,046 / 4,096 / 8,192 kbps / Unlimited IP-6: TOP/IL UDPIP. HTTP, HTTPs, RTP, FTP, SMTP, DKS, NTP, SMMP, DKCPs, MLD, LOMP, ARE IP-4: TOP/IP, UDPIP. HTTP, HTTPs, RTP, FTP, SMTP, DKS, NTP, SMMP, DKCPs, MLD, LOMP, ARE IP-4: TOP/IP, UDPIP. HTTP, HTTPs, RTP, FTP, SMTP, DKS, NTP, SMMP, DKCPs, MLD, LOMP, ARE IP-4: TOP/IP, UDPIP. HTTP, HTTPs, RTP, PTP periodic transmission (When the FTP transmission is falled, Lakeur DeC (PrePost) / Schedule REC JPEG recording: Manual REC / Alarm REC (PrePost) / Schedule REC JPEG image, AUX control (by access) tevel) JPEd, IPhone, IEOE / Alarm REC (PrePost) / Sackup upon network failure Compatible 50 (DHC) card: Pransonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB, 5 GB, 1 GB, 32 GB model 'SDHC card JPEG image, AUX control (by access) tevel) JPEd, IPhone, IEOE / Other Alarm REC (Prepost) / Sackup upon network failure JPEG image, AUX control (by access) tevel) JPEd, IPhone, IEOE / Narm REC (Prepost) / Sackup upon network failure JPEG image, AUX control (by access) tevel) JPEd, IPhone, IEOE / Alarm REC (Prepost) / Sackup upon network failure JPEG, Image, AUX control (by access) tevel) JPEd, IPhone, IEOE / Alarm REC (Prepost) / Sackup upon network failure JPEG, INTPONE, IPEG / Alarm REC (Prepost) / Sackup upon network failure JPEG (IPHONE), IDE / Alarm REC (Prepost) / Sackup upon network failure JPEG (IPHONE), IDE / Alarm REC (Prepost) / Sackup upon network failure JPEG (IPHONE), IDE / Alarm REC (Prepost) / Sackup upon network failure JPEG (IPHONE), IDE / Alarm REC (Prepost) / Sackup upon network failure JPEG (IPHONE), IDE / Alarm REC (Prepost) / Sackup upon network failure JPEG (IPHONE), IDE / Alare (RECORD), IDE / Alarm REC (Prepost) /	
	Audio Comp Audio Mode Authenticatic Total Bit Rat Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Action Alarm Action Alarm Log Schedule	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility e a Compatibility e s	LOW / NORMAL / FINE 0.2 s - 5 s 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] mput / Audio output / Interactive (Half duplex/ Interactive (Full duplex) 0 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic [Line] mput / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 34 / 512 / 768 / 1024 / 2.048 / 4.096 / 8.192 kbps / Unlimited Pie: CT0/IP, UDP/P, HTTP, HTTPS, RTP, FTP, SMTP, DNR, NTP, SNMP, DHCP, DNS, DDNS, NTP, SNMP, UPA, CMP, RMP, Pho Pie: Tori/IP, UDP/P, HTTP, HTTPS, RTP, RTP, RTP/RTC, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPA, CMP, AMP PAIrm image transmission, FTP periodic transmission (When the FTP transmission falled, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions) H284 recording: Manual REC / Alarm REC (PRP / Backup upon network failure Chard users (Depends on network conditions) H284 recording: Manual REC / Alarm REC (Paint) / Android™ mobile terminals H284 recording: Manual REC / Alarm REC (Paint) / Android™ mobile terminals	
	Audio Comp Audio Mode Authenticatic Total Bit Rat Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Source Alarm Source Alarm Log Schedule Monitor Output	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility e a Compatibility e s	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic [LiP input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 126 / 256 / 384 / 512 / 768 / 1.024 / 2.048 / 4.066 / 8,192 kbps / Unlimited IPie: TOPIN, UDPIN, HTTP, HTTS, RTSP, RTP, RTS, MTP, DHCPs, MLD, UDM, API Pie: TOPIN, UDPIN, HTTP, HTTS, RTSP, RTP, RTP, RTOP, FTP, SMTP, DHCPs, MLD, UDM, API Pie: TOPIN, UDPIN, HTTP, HTTSP, RTSP, RTP, RTP, RTOP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPAP, IGMP, CMP, APP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available). Up to 14 users (Depends on network conditions) H264 recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compatibe SD(DNC) card: Pansanic 256 MB, 512MB, 168, 268, 4687, 8697, 1687, vold "SDHC card JPEG image, AUX control (by access level) IPEd, Phone, IPed touch (IC) S4.2.1 or later) Android™ mobile terminals. 1 terminal input, VMD, Command alarm SDHC/SD memory recording. E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output, With SDHC/SD memory recording. H264 recording Forbib lack & Alim RedWV-SWAISU 48mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 14mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 14mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 14mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 15mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 14mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 14mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 15mr / VMD / Acses permission / H264 recording Forbib lack & MithendWV-SWAISU 15mr / VMD / Acses permission	
	Audio Comp Audio Mode Authenticatic Total Bit Rate Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Source Alarm Action Alarm Source Alarm Log Schedule Monitor Output Microphone/	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e non for Audio e rotocol aneous Users ry Card (Option) e Compatibility a Compatibility s s	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 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] npu1 / Audio outpu1 / Interactive [Half duplex] / Interactive [Full duplex] Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 344 / 512 / 788 / 1024 / 2084 / 4086 / 8.138 kbps / Unlimited IP-6: TCPIP, UDPIP, HTTP, HTTPS, RTP, FIP, SMTP, DNS, NTP, SMMP, DHCP-6, MLD, ICMP, AFF IP-4: TCPIP, UDPIP, HTTP, HTTPS, RTP, FIP, SMTP, DNS, NTP, SMMP, DHCP-6, MLD, ICMP, AFF IP-4: TCPIP, UDPIP, HTTP, HTTPS, RTP, FIP, SMTP, ONS, NTP, SMMP, DHCP, 6, MLD, ICMP, AFF IP-4: TCPIP, UDPIP, HTTP, HTTPS, RTP, FIP, SMTP, ONS, NTP, SMMP, DHCP, 6, MLD, ICMP, AFF IP-1: Torsmission is falled, backup on an optional SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Per/Post) / Schedule REC JPEG ceroding: Manual REC / Alarm REC (PAIC / Backup upon network failure Compatible SD (SDHC) card: Pensonic 256 MB, 512MB, 16B, 26B, 46B'; 66B'; 66B'; a26B' model 'SDHC card JPEG image, AUX control (by access level) IP-4G, IPhone, IP-0d touch (ICS 4.2.1 or later). Android TM mobile terminals 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output With SDHC/SD memory card: Solo logs, without SDHC/SD memory card: 1,000 logs. HIC 10 VID / ACcess pemission / H.264 recording Forbib Black & white modelW-SV381Bi VID / Access pemission / H.264 recording forbib Black & white modelW-SV381Bi (WFS 110 VJp)PICS DPLA ONCS ongoins / VID / VID / PICS DPLA ONCS / 1,000 logs. HIC IN and Line IN are selectable. c3.5 mm stereo mini jack (monaural input) (Applicable microphone: Plug-in power type) Supply voltage: 2.5 V 4.0 5 V Unput impedeatore: approx. 2 kb0	
	Audio Comp Audio Mode Authenticatiic Total Bit Ratt Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termine Alarm Action Alarm Action Alarm Log Schedule Monitor Output Microphone/	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility al Compatibility? e s f(for adjustment) Line Input	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic [Unip mgt / Audio output / Interactive [Half duplex] / Interactive [Full duplex] Level 1 only / Level 2 higher / All users 84 / 128 / 256 / 384 / 512 / 768 / 1.024 / 2.048 / 4.096 / 8.192 kbps / Unlimited PM- (TDPI) UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPP, GMP, CMP, AMP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available.) Up to 14 users (DDPIP, MTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, MTP, DHCP, DNS, DDNS, NTP, SMMP, UPP, GMP, CMP, AMP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available.) Up to 14 users (DDPIP, MTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP	
nput/ Output	Audio Compi Audio Mode Authenticatic Total Bit Ratt Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termina Alarm Source Alarm Action Alarm Log Schedule Monitor Output Microphone/ Audio Output External I/O	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility e a Compatibility e s s (for adjustment) Line Input t Terminals	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 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) nput / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 344 / 512 / 786 / 1024 / 2046 / 4.096 / 8,192 kbps / Unlimited IP-6: TOP/IL UDPIP. HTP; HTPs, RTP; FIF SMTP, DNS, NTP, SMNP, DHCPs, MLD, CMP, APE PW: TOPIP. UDPIP. HTP; HTPS, RTP; FIF SMTP, DNS, NTP, SMNP, DHCPs, MLD, CMP, APE PW: TOPIP. UDPIP. HTP; HTPS, RTP; FIF SMTP, DNS, NTP, SMNP, DHCP, SMS, DNS, NTP, SMNP, UMP, GMP, ICMP, APP Alarm image transmission, FTP periodic transmission (When the FTP transmission is faled, Lackur, Dam REC (PrePost) / Sackup upon network failure. JPEG recording: Manual REC / Jamm REC (PrePost) / Sackup upon network failure. JPEG image, AUX control (by access level) JPEd, IPhone, IEOD Lord: / Contact / Contact / Android TM mobile terminals 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer; Panasonic protocol output, With SDHC/SD memory card: 5000 logs, without SDHC/SD memory card: 1000 logs Alarm / MD / Access permission / H28 + ROM JP/ SD / AL composite, RCA Jax MIC IN and Line IN are selectable. 03.5 mm stereo mini jack (Mnoaruar lingut) (Applicable RCA Jax) VISI IV JPJ/50.PAL composite, RCA Jax MIC IN and Line IN are selectable. 03.5 mm stereo mini jack (Mnoaruar lingut) (Applicable RCA Jax) VISI IV JPJ/50.PAL composite, RCA Jax MIC IN and Line IN are selectable. 03.5 mm stereo mini jack (Mnoaruar lingut) (Applicable RCA Jax) VISI IV JPJ/50.PAL composite, RCA Jax MIC IN and Line IN are selectable. 03.5 mm stereo mini jack (Mnoaruar lingut) (Applicable RCA Jax) VISI IV JPJ/50.PAL composite, RCA Jax MIC IN and Line IN are selectable. 03.5 mm stereo mini jack (Mnoaruar lingut) (Applicable RCA Jax) VISI JV JPJ/50.PAL composite, RCA Jax MIC IN and Li	
Alarm Input/ Output General	Audio Comp Audio Mode Authenticatiic Total Bit Ratt Supported P FTP Client No. of Simult SDHC/SD Memo Cellular Phone Mobile Termine Alarm Action Alarm Action Alarm Log Schedule Monitor Output Microphone/	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio e rotocol aneous Users ry Card (Option) e Compatibility e a Compatibility e s s (for adjustment) Line Input t Terminals	LOW / NORMAL / FINE 0.2 s - 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic [Unip mpt / Audio output / Interactive (Half duplex/ Interactive (Full duplex) Def / Mic [Unip mpt / Audio output / Interactive (Half duplex/ Interactive (Full duplex) Level 1 only / Level 2 higher / All users 84 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Mic TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, FNMP, DHCP, MN, D,OMP, APP Piek: TOPI/L UDPIP, HTTP, HTTPs, RTP, FTP, SMTP, DKN, FNMP, DHCP, MN, D,OMS, NTP, SMMP, UPP, GMP, CMP, APP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDHC/SD memory card is available). Up to 14 users (Depends on network conditions) H284 recording: Manual REC / Alarm REC (Pest) / Backup upon network failure Compatible SD(DKC) card: Parsonic 258 MB, 512MB, 164, 2 GB, 4GB, 5GB, 16 GB, 2 GB / modd 'SDHC card JPEG image, AUX control (by access level) IPEd, infpane, IPO touch (IOS 4.2.1 or later) Android TM mobile terminals 1 terminal input, VMD, Command alarm SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs Alarm /WID / SDR2 MFS, RTP, RCAsak / VBS. 10 / Ip/JFS, DPAL composite, RCA Jask MIC IN and Line IN are selectable. ed.5 mm sterce mini jack (monaural input) (Applicable microphone: Plug-in power type) Supply voltage: 2.5 V ± 0.5 V Input impedance: approx. 2 kQ ed.5 mm sterce mini jack	

	NTSC	PAL	
Power Source and	12 V DC: 850 mA		
Power Consumption	* FOR UL LISTED MODEL(S), ONLY CONN	ECT 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 ~ 122 °F)		
Ambient Operating Humidity	90 % or less (without condensation)		
Water and Dust Resistance	IP66, IEC60529 measuring standard compatible		
Dimensions	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/resin, metallic silver coating		
	Front cover section clear part: Poly	carbonate resin	
	Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Dimensions Mass (approx.) Finish	Power Consumption * FOR UL LISTED MODEL(S), ONLY CONN PoE (IEEE 802.3af compliant) 48 V: 200 m4 Ambient Operating Temperature 40 °C - +50 °C (-40 °F - 122 °F) Ambient Operating Humidity 90 % or less (without condensation Water and Dust Resistance Dimensions 94 mm (W) × 89 mm (H) × 226 mm (L) Mass (approx.)	

For further information about PC system requirements and precautions for when using Microso Windows® 8, 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://security.panasonic.com/pss/security/).

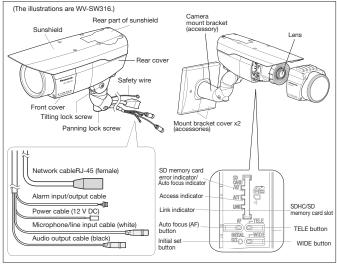
*2 When using IPv6 for communication, use Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.

*3 MPEG-4 is not supported.

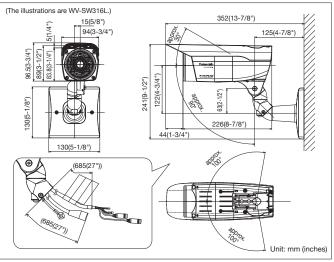
*4 [4 : 3] and [16 : 9] are alternative.
*5 H.264 and MPEG-4 are alternative.
*6 Transmission for 2 streams can be individually set in the same compression method.
*7 For further information about compatible devices, refer to our website

(http://security.panasonic.com/pss/security/support/info.html).

Part Names and Functions



Appearance



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

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