

# Super Dynamic Weather Resistant HD Network Camera WV-SW316L WV-SW316

### **Preliminary**



# 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 (6.2-20 mm, 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.

### **Standard Accessories**

The followings are for installation.  • 4P alarm cable	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)
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### **Optional Accessory**

Adapter Box WV-Q120



## **Specifications**

Camera			NTSC PAL	
	Image Sensor		1/3 type MOS Sensor	
	Effective Pixe		Approx. 1.3 megapixels	
	Scanning Mo		Progressive scan	
	Scanning Are Minimum Illur		4.80 mm (H) x 3.60 mm (V) (3/16"(H) x 5/32"(V))	
	IVIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	nination	WV-SW316L: Color: 0.3 lx, B/W: 0 lx 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 IR LED irradiation distance White Balance Light Control Mode			
			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)	
			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)  Outdoor: Automatic integration of ALC and ELC	
	Light Control	vioue		
			Indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 s)	
	ChttaCa.aa		Indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 s)	
	Shutter Speed	1	Fix shutter: 1/30, 3/100, 3/120, 2/100, 2/120, 1/100, 1/120,	
	0 0		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 Super Dy		ON / OFF (Only at Super Dynamic: ON)	
	Adaptive Black Stretch AGC Electronic Sensitivity UP Day & Night (IR) Dynamic Range Digital Noise Reduction Video Motion Detection		ON / OFF (Only at Super Dynamic: OFF)	
			ON (LOW, MID, HIGH) / OFF OFF / AUTO (Max. 2x (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 typ. (Super Dynamic: On, Light control mode: indoor scene) High / Low 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 (6.2 mm ~ 20 mm, 6.4x with extra optical zoom (at VGA))	
	Angular Field of View		H: 27.7° (TELE) ~ 100.3° (WIDE), V: 20.8° (TELE) ~ 73.6° (WIDE)	
	Maximum Aper		1 : 1.3 (WIDE) ~ 1 : 3.0 (TELE)	
A 42	Focusing Range	3	0.3 m ~ ∞	
Adjusting A	angle		Horizontal: ±100° (Camera mount bracket)	
	110		Vertical: +30°, -90° (Camera mount bracket)	
Browser GU		1	Brightness, AUX ON / OFF	
	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad	
	Digital Zoom		screens or 16 split screen (JPEG only). 20 characters camera title available.	
	Digital Zoom		1x, 2x, 4x controlled by browser GUI	
	Clark Display		Up to 20 alphanumeric characters	
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)	
	Alarm Control		Reset	
	One Shot Capt	ure	A still picture will be displayed on a newly opened window.	
	Audio SD Memory Data Download		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,	
			Audio Output: ON / OFF Volume adjustment: Low / Middle / High	
	SD Memory Da	ata Download	Still or motion Images recorded in the SDHC/SD memory	
			card can be downloaded.	
	GUI/Setup Me	nu 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 O	5 1 2	Microsoft® Windows® 7 Professional 64 bit/32 bit,	
			Microsoft® Windows Vista® Business SP1 32 bit,	
			Microsoft® Windows® XP Professional SP3	
	Supported Br	owser	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7	
			Professional 64 bit/32 bit), Windows® Internet Explorer® 7.0	
			(Microsoft® Windows Vista® Business SP1 32 bit), Microsoft®	
			Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Professional SP3	
Network	Network IF		10Base-T / 100Base-TX, RJ-45 connector	
	Image Resolution *4 Aspect ratio: [4 : 3]		H.264: 1,280 $\times$ 960 / VGA (640 $\times$ 480) / QVGA (320 $\times$ 240), up to 30 fp	
			MPEG-4: VGA (640 × 480) / QVGA (320 × 240), up to 30 fps	
		Aspect ratio: [16:9]*3	JPEG (M-JPEG): 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps	
			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		
		Frame Rate	1/3/5/7.5/10/12/15/20/30 fps	
		Bit Rate/Client		
			4,096 / 8,192* kbps * H.264 mode only	
		Image Quality	LOW / NORMAL / FINE	
	1		0.2 s ~ 5 s	
		Transmission Type	UNICAST / MULTICAST	
	JPEG	Transmission Type Image Quality	10 steps	
	JPEG	Transmission Type Image Quality Refresh Interval	10 steps 0.1 fps ~ 30 fps	
		Transmission Type Image Quality Refresh Interval Transmission Type	10 steps 0.1 fps ~ 30 fps PULL / PUSH	
	Audio Compr	Transmission Type Image Quality Refresh Interval Transmission Type	10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps	
	Audio Compr Audio Mode	Transmission Type Image Quality Refresh Interval Transmission Type ression	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)	
	Audio Compr Audio Mode Authenticatio	Transmission Type Image Quality Refresh Interval Transmission Type ession  n for Audio	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	
	Audio Compr Audio Mode Authenticatio Total Bit Rate	Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio	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 / 758 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited	
	Audio Compr Audio Mode Authenticatio	Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio	10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Level 1 only / Level 2 higher / All users 64 / 126 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Pies-CiPPI, DUPI, HTP, HTPS, HTP, FTS, MRP, DIS, NIP, SNMP, DHCPs, MLD, (CMP, ARI	
	Audio Compr Audio Mode Authenticatio Total Bit Rate	Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio	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 bigher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 6,192 kbps / Unlimited IP-6: TCP/IP, UDP/IP, HTTP, HTTPs, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCP-6, MLD, ICMP, ARP Weit TCP/IP, UDP/IP, HTTP, HTTPs, RTSP, RTP, RTPPTCP, FTP, SMTP, DHCP, DLCP, DNS, DNS, NTP,	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr	Transmission Type Image Quality Refresh Interval Transmission Type ression on for Audio	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 / 334 / 512 / 758 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPi6: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, MTP, SMMP, DHCPA, MID, ICMP, ARP WHAT CPIPP, UDPIP, HTTP, HTTPS, RTSP, RTP, FTP, FTP, FTP, FTP, FMTP, DHCP, DNS, DNNS, NTP, SMMP, UPAP, IGMP, ICMP, ARP	
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	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr	Transmission Type Image Quality Refresh Interval Transmission Type ression Transmission Transmis	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 kbp / Unlimited Heis: CDPIP, LOPIP, HTP, HTPS, HTP, BTP, BTP, MTP, DMCPA, MLD, ICUR, AR IP-4: TCP/IP, UDPIP, HTP, HTPS, HTS, RTP, RTP, RTP, PS, MTP, DMCPA, MLD, ICUR, AR IP-4: TCP/IP, UDPIP, HTP, HTPS, STSP, RTP, RTP/RTCP, FTP, SMTP, DMCPA, MLD, ICUR, AR IP-4: TCP/IP, UDPIP, HTP, HTPS, STSP, RTP, RTP/RTCP, FTP, SMTP, DMCPA, DNS, NTP, SMMP, UPP, IGMP, ICMP, 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 (Deepends on network conditions)	
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	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane	Transmission Type Image Quality Refresh Interval Transmission Type ression Transmission Transmis	10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 42 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 42 kbps / 16 kbps, G.711 64 kbps	
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	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor	Tarsmission Type Image Quality Refresh Interval Tarsmission Type esssion In for Audio Description Outcool  Users y Card (Option)  On Compatibility	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 Heis CEPIP, DUPPI, HTP, HTPS, RTP, FTP, SMTP, DNCPA, MLD, CMP, AR, IPsk: CTPP, DUPPI, HTP, HTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPPIP, IGMP, LAPP Alarm image transmission, 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) H264 recording: Manual REC / Alarm REC (Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Competible SDRO(card Panasonic 256 MB, 5/2MB, 1 GB, 2 GB, 4 GB, 8 GB, 16 GB, 32 GB' mode SDHC.card ON / OFF (with XML notification) JPEG image, AUX control (by access level)	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Face Detectit Cellular Phone Mobile Termina	Transmission Type Image Quality Refresh Interval Transmission Type resision In for Audio Resision Or A	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 HP4: TCP/IP, UDP/IP, HTTP, HTTP, RTP, RTP, RTP, DNS, NTP, SNMP, DHCP, B, MLD, ICMP, AR IP4: TCP/IP, UDP/IP, HTTP, HTTP, RTPS, RTP, RTP, RTP, TP, SMTP, DNCP, DNS, DNS, NNP, SNMP, UPAP, IGMP, IGMP, APP Alarmi mage 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) Up to 14 users (Depends on network conditions) Compatible 50 (SDHC) (ard Pansonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mode* SSHC 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 terminals*	
Alarm	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Face Detectic Cellular Phone Mobile Termina Alarm Source	Taromission Type Image Quality Refresh Interval Paramission Type ression  for Audio  ous Users y Card (Option)  Compatibility I Compatibility I Compatibility I	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 Piet Cripil, Duplin, HTIP, HTIPS, RTIP, FIP, SMTP, DN, MTP SMMP, DNCP6, MLD, ICMP, AR IPiet 10Pil, UDPIR, HTIP, HTIPS, RTISP, RTIP, RTIPRTCP, FTP, SMTP, DNCP6, MLD, ICMP, AR IPiet 10Pil, UDPIR, HTIP, HTIPS, RTISP, RTIP, RTIPRTCP, FTP, SMTP, DNCP6, MLD, ICMP, AR Alarm image transmission, 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 (Pereys) / Sackube REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Competible SD (BDHC) card Parasona 256 MB, 512MB, 16B, 26B, 46B, 86B, 16 GB, 32 GB mode 'SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) IPad, IPhone, IPod touch (OS 4.2.1 or later) Android <sup>TM</sup> mobilie terminals 'terminal input, VMD, Command alarm	
Alarm	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Face Detectit Cellular Phone Mobile Termina	Taromission Type Image Quality Refresh Interval Paramission Type ression  for Audio  ous Users y Card (Option)  Compatibility I Compatibility I Compatibility I	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 Heis-TCP/IP, DUPIN HTTP. HTTPS RTP. FTP. SMTP. DN. RIPS. MIP, DNCPs. MLD, ICUR, AR IP-4: TCP/IP, UDPIR, HTTP HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPP, IGMP, ICMP, APP Alarm image transmission, 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) Heise recording: Manual REC / Alarm REC (Pre/Pst) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compatible SD (SHC) card Parasonic 256 M, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mode *SOHC card ON / OFF (with XML notification) 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,	
Alarm	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pi FTP Client No. of Simultane SDHC/SD Memor Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions	Taromission Type Image Quality Refresh Interval Paramission Type ression  for Audio  ous Users y Card (Option)  Compatibility I Compatibility I Compatibility I	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 Heis-TCP/IP, DUPIN HTTP. HTTPS RTP. FTP. SMTP. DN. RIPS. MIP, DNCPs. MLD, ICUR, AR IP-4: TCP/IP, UDPIR, HTTP HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPP, IGMP, ICMP, APP Alarm image transmission, 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) Heise recording: Manual REC / Alarm REC (Pre/Pst) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compatible SD (SHC) card Parasonic 256 M, 512MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* mode *SOHC card ON / OFF (with XML notification) 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,	
Alarm	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Face Detectic Cellular Phone Mobile Termina Alarm Source	Taromission Type Image Quality Refresh Interval Paramission Type ression  for Audio  ous Users y Card (Option)  Compatibility I Compatibility I Compatibility I	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 / 152 / 786 / 10,24 / 2,084 / 4,096 / 8,192 kbps / Unlimited New Torpiu, Dupile, HTP, HTPS, RTP, FTP, SMTP, DNS, MTP, SMMP, DitChy6, MLD, CMP, AR Piek: TOPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, MTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPP- ISMP, CMP, ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is falled, backup on an optional SDHC/2D 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 (PerPost) / Schedule REC JPEG recording: Manual REC / Alarm REC (PerPost) / Schedule REC ON / OFF (with XML notification) JPEG image, AUX control (by access level) IPGA, iPhone, iPod touch (focs 4.2.1 or later) Android™ mobile terminals 1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-male notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output	
Alarm	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pi FTP Client No. of Simultane SDHC/SD Memor Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions	Taromission Type Image Quality Refresh Interval Paramission Type ression  for Audio  ous Users y Card (Option)  Compatibility I Compatibility I Compatibility I	10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Ine) 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 PMc-1CPIP, DUPP, HTP, HTPS, RTP, FTP, SMTP, DN, NTPSMMP, DNCP6, MLD, ICMP, ARIP PMc-1CPIP, DUPP, HTP, HTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPHP, IGMP, LAPP Alarm image transmission, 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 (Pre/Post) / Schedule REC JPEC recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEC Recording: Manual REC / Recording	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Face Detectit Cellular Phone Mobile Termina Alarm Source Alarm Actions Alarm Log Schedule	Transmission Type Image Quality Refresh Interval Fransmission Type resision on for Audio ous Users y Card (Option) on Compatibility I Compatibility S	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 kbp / Unlimited Heis CEPIP LOUPH, HTP, HTPS, HTP, BTP, BTP, MTP, DHCPs, MLD, ICUR, AR IPv4: TCPIIP, UDPIIP, HTTP, HTPS, HTP, FTP, SMTP, DN, MTP SMMP, DHCPs, MLD, ICUR, AR IPv4: TCPIIP, UDPIIP, HTTP, HTPS, RTSP, RTP, RTPIRTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SMMP, UPP, ICMP, ICMP, 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 (Deepends on network conditions) Up to 14 users (Deepends on network conditions) Up to 14 users (Deepends on network conditions) Up to 15 users (Deepends on network conditions) Up to 16 users (Deepends on network conditions) Up to 17 users (Deepends on network conditions) Up to 17 users (Deepends on network conditions) Up to 19 users (Deepends on network failure Compatible SD (SDHC) card Pansonic 256 MB, 512MB, 16B, 2 6B, 4 GB, 8 GB, 16 GB; 32 GB mode SDHC/SD memory Land (SDHC) IP (S	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pi FTP Client No. of Simultane SDHC/SD Memor Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Alarm Log Schedule Monitor Output (	Transmission Type Image Quality Refresh Interval Parents Interval Irransmission Type resision on for Audio Protocol ous Users y Card (Option) our Compatibility Compatibility Compatibility For adjustment)	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 / 126 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Piet. TCPIP, UDPIP, HTP, HTPS, RTP, FTP, SMTP, DN, MTP, SMMP, DNCPA, MLD, CMP, AR Piet. TCPIP, UDPIP, HTP, HTPS, RTSP, RTP, RTPRTCP, FTP, SMTP, DHCPA, MLD, CMP, AR Piet. TCPIP, UDPIP, HTP, HTPS, RTSP, RTP, RTPRTCP, FTP, SMTP, DHCPA, DNS, DNS, NTP, SMMP, UPAP, IGMP, LORP, ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is falled, backup on an optional SDHC/SD memory card is available). H264 recording: Manual REC / Alarm REC (Prepts) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Sackup upon network failure Compatible 50 (BDHC) card Panasonic 256 MB, 512/MB, 163, 268, 468, 868, 16 GB, 32 GB mode 'SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) IPPAd, iPhone, iPod touch (IOS 4.2.1 or later) Android™ mobile terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal output, With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs Ramm / WMD / Access permission / H264 recording/ Forbibe black & white modelWi-SW16 (SS 101 / 100 logs).	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Face Detectit Cellular Phone Mobile Termina Alarm Source Alarm Actions Alarm Log Schedule	Transmission Type Image Quality Refresh Interval Parents Interval Irransmission Type resision on for Audio Protocol ous Users y Card (Option) our Compatibility Compatibility Compatibility For adjustment)	10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Ine) input / Audio uptut / 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 kbp / Unlimited Heir. CIPIP, DUPIP, HTP, HTPS, RTP, FTP, SMTP, DN, MTP SMMP, DNCPA, MLD, CUM, PA, Heir. CIPIP, UDPIP, HTP, HTPS, RTSP, RTP, RTPRTCP, FTP, SMTP, DHCPA, DND, DDNS, NTP, SMMP, UPIP, IGMP, LAPP 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 (Prest) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Competitive SDRO(card Panasonic 256 MB, 5/2MB, 1 68, 2 68, 4 68°, 6 8°, 16 68°, 32 68° mode 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 terminals 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 / VMID / Access permission / 1.244 recording/ Forbite black & white model(W/SW316 WBS: 1.0 V [p-jp/75 Q, NTSC composte, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask   WSs: 1.0 V [p-jp/75 Q, PAL composite, RCA] ask	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pi FTP Client No. of Simultane SDHC/SD Memor Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Alarm Log Schedule Monitor Output (	Transmission Type Image Quality Refresh Interval Parents Interval Irransmission Type resision on for Audio Protocol ous Users y Card (Option) our Compatibility Compatibility Compatibility For adjustment)	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 / 152 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPA: 10 PIV / Level 2 higher / All users 64 / 128 / 256 / 384 / 152 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPA: 10 PIV / Level 2 higher / All users 64 / 128 / 126 / 152 / 168 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPA: 10 PIV / Level 2 higher / All users 84 / 128 / 128 / 152 / 152 / 168 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPA: 10 PIV / 10 PIV	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Cellular Phone Mobile Termina Alarm Source Alarm Action: Alarm Log Schedule Monitor Output ( Microphone/I	Transmission Type Image Quality Refresh Interval Pression Image Quality Refresh Interval Irransmission Type ression In 6 Interval Irransmission Type ression In 6 Interval Irransmission Irransmission Type ression In 6 Interval Irransmission Irransmission Type ression In 6 Interval Irransmission I	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 PMe: CTPIP, UDPIR HTP, HTPS, RTF, FF, SMTP, DN, NTP SMMP DhCPs, MLD, CMP, AR IPsk: TCPIP, UDPIR, HTP, HTPS, RTSP, RTP, RTPRTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPHP, IGMP, LOPP, ARP Alarm image transmission, 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 (PrePost) / Schedule REC JPEC recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compelible SD(DNC) card Pensance 58 MB, 512 MB, 16 B, 2 GB, 4 GB, 8 GB, 16 GB, 32 GB' mode 'SDNC 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 is 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 cards 5.000 logs, without SDHC/SD memory card: 1.000 logs Alarm / VMD / Access permission / H.264 recording / Forbibe black & white modelWi-SW16 (SI) Alarm / VMD / Access permission / H.264 recording / Forbibe black & white modelWi-SW16 (SI) Alarm / VMD / Access permission / H.264 recording / Forbibe black & white modelWi-SW16 (SI) Alarm / VMD / Access permission / H.264 recording / Forbibe black & white modelWi-SW16 (SI) Alarm / VMD / Access permission / H.264 recording / Forbibe black & white modelWi-SW16 (SI) Alarm / VMD / Access permission / H.264 recording / Forbibe black & white modelWi-SW16 (SI) Alarm / VMD / Access permission / H.264 recording / Forbibe black & white modelWi-SW16 (SI) Alarm / VMD / Access permission / H.264 recording / Forbibe black & whi	
	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Audio Model Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Alarm Log Schedule Microphone/I	Transmission Type Image Quality Refresh Interval Fransmission Type resistion on for Audio ous Users yo Card (Option) ous Users yo Card (Option) ous Users for adjustment) Line Input	10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps DULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps DEVLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps DEVLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps DEVLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps  64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Pish: CDP/IP, DUPP, ITTP, HTPS, BTP, BTP, BTP, BMP, DHCPs, MLD, CUR, RA Pisk: TCP/IP, UDP/IP, HTTP, HTTP, BTP, FTS, MTP, DNS, MTPS, MMP, DHCPs, MLD, CUR, RA Pisk: TCP/IP, UDP/IP, HTTP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SMMP, UPP, IGMP, LOW, APP Alarm image transmission, 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) H284 recording: Manual REC / Alarm REC (Prest) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compatible SD (BCH): Card Pansonic 256 MB, 512MB, 1 GB, 2 GB, 4 GB, 3 GB, 16 GB, 32 GB mode *SDHC card ON / OFF (with XML notification) JPEG image, AUX control (by access level) IPad, [Phone, iPod touch (iCS 4 2.1 or later) Android™ mobile terminals 1 terminal input, VMD, Comman dalarm SDHC/SD memory recording, E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output With SDHC/SD memory recording, E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output With 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 Ram/VMD/ Access pemission / H284 recording/ Forbibe black & white modeWit-SW16/ VBS: 10 Vpp/75 0, NTSC composte, RCA lack   VBS: 10 Vpp/75 0, PSC composte, RCA lack (monaural input) (Applicable microphone: Plug-in power type) Supply voltage: 2,	
Alarm Input/ Output	Audio Compr Audio Mode Authenticatio Total Bit Rate Supported Pr FTP Client No. of Simultane SDHC/SD Memor Cellular Phone Mobile Termina Alarm Source Alarm Action: Alarm Log Schedule Monitor Output ( Microphone/I	Transmission Type Image Quality Image Qualit	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 PMe: CTPIP, DUPIP, HTTP, HTTPS, HTTP, FTP, SMTP, DNCP6, MLD, ICUP, AR IPM: TOPIP, UDPIP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP6, MLD, ICUP, AR IPM: TOPIP, UDPIP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP6, NLD, CDN, SNTP, SMMP, UPPP, IGMP, LOPP, ARP Alarm image transmission, 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 (PrePost) / Schedule REC JPEG recording: Manual REC / Alarm REC (PrePost) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Competible SD(DNC) card Pensance 58 MB, 512 MB, 16, 16, 26, 8, 46, 8, 868, 16 GB, 32 GB* mode 'SDNC 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 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 cards. 5,000 logs, without SDHC/SD memory card: 1,000 logs Alarm / VMD / Access permission / H284 recording/ Forbile black & white model/SWSH06  MIC IN and Line IN are selectable. ø3.5 mm stereo mini jack (monaural input) (Applicable microphone: Plug-in power type)	

C-UL (CAN/CSA C22.2 No.60950-1), DOC (ICES003 ClassA)

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)  = -40 °C - +50 °C (-40 °F to 122 °F)  90 % or less (without condensation)  IP66, IEC60529 measuring standard compatible  94 mm (M) × 88 mm (H) × 25 mm (L) fincluding projection of base cover fixing screw) (3-7/10° (W) × 3-1/2° (H) × 8-7/8° (L))  1.4 kg (3.09 lbs.)  Main body; Aluminum die cast/resin, metallic silver coating			
	Ambient Operating Temperature				
	Ambient Operating Humidity				
	Water and Dust Resistance				
	Dimensions				
	Mass (approx.)				
	Finish				
1	1	Front cover section clear part: Polycarbonate resin			

- \*\*I 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".

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

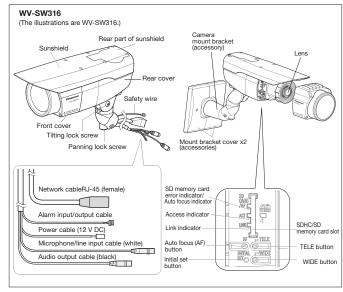
  \*\*3 MPEG-4 is not supported. \*\*4 [4:3] and [16:9] are alternative.

  \*\*5 H.264 and MPEG-4 are alternative. \*\*6 Transmission for 2 streams can be individually set in the

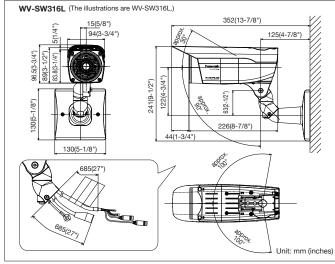
- same compression method.

  \*7 For information on the camera models of the supported operating systems, refer to our website at http://panasonic.net/pss/security/support/info.html.

### **Part Names and Functions**



### **Appearance**



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