

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



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

Key Features

- 720p HD images up to 30 fps (WV-SW175)
- 1.3 Megapixel high sensitivity MOS Sensor
- Super high resolution at SVGA/800 x 600 created by 1.3 Megapixel high sensitivity MOS Sensor (WV-SW172)
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier®", Panasonic's proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size (WV-SW175)
- Full frame (Up to 30 fps) transmission at SVGA (800 x 600) image size (WV-SW172)
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- High sensitivity with Day & Night (Electrical) function:
 0.6 lx (Color), 0.5 lx (B/W) at F2.2
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various conditions.
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Indoor scene (50 Hz) / Indoor scene(60Hz) / ELC (maximum exposure time)

Indoor scene (50 Hz/60Hz): Flicker caused by fluorescent lightning will be automatically compensated.

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

- 2x extra zoom at VGA resolution
- 8x digital zoom controlled by browser
- VMD (Video Motion Detection) with 4 programmable detection areas,
 15 steps sensitivity level and 10 steps detection size
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- Meta data for VMD works with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including VMD and Panasonic alarm command can trigger actions such as FTP image transfer, E-mail notification, Indication on browser, and Panasonic alarm protocol output.

- JPEG Image compression ratio can be changed by alarm so that higher quality image can be provided.
- Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Internet mode: H.264 images can be transmitted over HTTP protocol.
- Multi-language: English / Italian / French / German / Spanish / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- Onvif compliant model
- Panning/tilting and Preset Map Shot function realizes wide range monitoring..(Horizontal angle:180° Vertical angle 123°)
- Easy installation: Easy to adjust directions.
- Interactive communication with audio: By using the audio output connector and the microphone in connector, receiving audio from the cameras on a PC and transmitting audio from the PC to the cameras is available.
- IP55 rated water and dust resistant. Compatible with IEC60529
- Best effort on Transmission priority: In accordance with the network bandwidth, H.264 images will be transmitted with the bit rate varying between the maximum and minimum bit rates that are set for "Max bit rate (per client)".

Standard Accessories

The network administrator shall retain the code label

Installation Guide	• Foam Strip1 pc.
*1 The CD-ROM contains the operating instructions and	

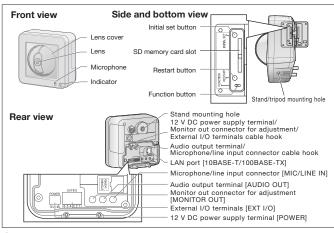
Specifications

	ficatior	.0			
TV System			NTSC PAL		
Camera	Image Senso	or	1/4 type MOS Sensor		
	Effective Pix		Approx. 1.3 megapixels		
	Scanning Mode		Progressive		
	Scanning Ar		3.52 mm (H) x 2.64 mm (V) (7/50" (H) × 1/10" (V))		
	Minimum IIIu	ımination	Color: 0.6 lx (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High))		
			Color: 0.038 lx (F2.2, Auto slow shutter: Max. 16/30s, Gain:On(High)) 11		
	White Balance		BW: 0.5 kx (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High)) BW: 0.031 kx (F2.2, Auto slow shutter: Off (16/30s), Gain:On(High)) AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)		
	Light Control Mode		Indoor scene (50 Hz / 60 Hz) / ELC ELC (1/30 s), ELC (3/100 s), ELC (3/120 s), ELC (2/100 s), ELC (2/120 s),		
	Shutter Spee	ıu	ELC (1/100 s), ELC (1/120 s), ELC (1/250 s), ELC (1/500 s), ELC (1/1,000 s), ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/10,000 s) ON / OFF		
	Wide Dynam	ic Range			
	Face Wide Dy	/namic Range			
	Adaptive Bla	ck Stretch	ON / OFF		
	AGC		ON (HIGH) / ON (MID) / ON (LOW) / OFF		
	Electronic Se		OFF (1/30 s), Max. 2/30 s, Max. 4/30 s, Max. 6/30 s, Max. 10/30 s, Max. 16/30 s		
	Day & Night		OFF / AUTO		
	Dynamic Rai Digital Noise		24 dB typ. (WDR: ON, Light Control: ELC) HIGH / LOW		
	Video Motion		ON / OFF, 4 areas available		
	Privacy Zone		ON / OFF (up to 2 zones available)		
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks) , On/Off		
Lens	Focal Length		1.95 mm		
	Zoom Ratio		Extra zoom: 2x (at VGA resolution)		
	Angular Field		Horizontal: 85 °, Vertical: 68 °		
	Maximum Aperture Ratio				
Dan and Till	Focusing Range		0.5 m ~ ∞ -47.5°- +47.5°		
rananu ilit	Panning Rang		-47.5°- +47.5° Manual: Approx. 5 °/s - 80 °/s, Preset: Up to approx. 80 °/s		
	Tilting Range		-45° to +10°		
	Tilting Speed		Manual: Approx. 5 °/s - 80 °/s, Preset: Up to approx. 80 °/s		
		eset Positions	64		
	PTZ Position	1 Display	ON / OFF		
	Self Return		10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min		
D	Map Shot	A I	Preset map-shot		
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.		
	Zoom		extra zoom(1x - 2x) and the electronic zoom (higher zoom factors, up to 16x).		
	Camera Title		Up to 20 alphanumeric characters		
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)		
	Alarm Control		Reset		
	One Shot Capture		A still picture will be displayed on a newly opened window.		
	Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,		
	CD Momon: Data Data		Audio Output: ON / OFF Volume adjustment: Low / Middle / High		
			Still or motion Images recorded in the SDHC/SD memory card can be downloaded. English, Japanese, Italian, French, German, Spanish, Chinese, Russian		
	GUI/Setup Menu Language System Log		Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the		
	System Log		recording format is set to JPEG.) error logs		
	Supported C	OS *2 *3	Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP3		
	Supported Brov	wser	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	Tanana anti- 14 - 01	10Base-T / 100Base-TX, RJ-45 connector (female)		
	Image Hesolution '4	Aspect ratio: [4:3]	WV-SW175:		
			H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps		
			WV-SW172:		
			H.264: 800 x 600 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps		
			JPEG: 800 × 600 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps		
		Aspect ratio: [16:9]			
			H.264: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps		
			JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps		
			WV-SW172: H.264: 640 x 360 / 320 x 180, up to 30 fps		
			JPEG: 640 x 360 / 320 x 180, up to 30 fps		
	H.264	Transmission Mode	Constant bitrate / Best effort		
			1/3/5/7.5/10/12/15/20/30 fps		
			64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 /		
		Bit Rate/Client			
			4,096 / 8,192 kbps		
		Image Quality	4,096 / 8,192 kbps LOW / NORMAL / FINE		
		Image Quality Refresh Interval	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps ~ 30 fps		
	IPEG	Image Quality Refresh Interval Transmission Type	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST		
	JPEG	Image Quality Refresh Interval Transmission Type Image Quality	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps		
	JPEG	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps		
	JPEG Audio Comp	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULLL / 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 Orcession	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Full duplex)		
	Audio Comp Audio Mode Authenticatio	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type oression on for Audio	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users		
	Audio Comp Audio Mode Authenticatio Total Bit Rate	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Tran	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 6,726 (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 / 151 / 758 f 1,1024 / 2,088 / 4,096 / 8,192 kbps / Unlimited		
	Audio Comp Audio Mode Authenticatio	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Tran	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps – 30 fps UNICAST / MULTICAST 10 steps 0.1 fps – 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (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 Piec Torije (DPIP) HTTP, HTTP, HTTP, SMTP, DNS, MTP, SMMP, DHCPpe, MID, IOMP, APP		
	Audio Comp Audio Mode Authenticatio Total Bit Rate	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Tran	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full 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 Hes TCPIP, UDPIP, HTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMTP, DHCP, DNS, PIP, SMTP, DMTP, D		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Tran	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 6,726 (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 / 786 f / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPA, MLD, ICMP, APP IPv4: TCPIP, UDPIP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DNS, DNS, NTP, SMMP, UPPR, GMMP, GMMP, APP		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Procession Transmission Type Transmissio	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps – 30 fps UNICAST / MULTICAST 10 steps 0.1 fps – 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full 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 IPA: TCPIP, UDPIP, HTTP, HTTPS, RTP, FT, SMIP, DIS, NIP, SMIP, DHCP6, MLD, ICMP, APP IPA: TCPIP, UDPIP, HTTP, HTTPS, RTP, FT, FT, PT, PT, FT, SMIP, DHCP, DNS, DNS, NTP, SNMP, UPP, IGMP, IGMP, APP Alarm image transmission, FTP periodic transmission		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client No. of Simulta	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type or for Audio e Protocol	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps – 30 fps UNICAST / MULTICAST 10 steps 0.1 fps – 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic Line jngut / 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 High CDPI/L DUPP, HTP HTPS RTP FIP SIMP, DNS, NTP, SMP, DHCP6, MLD, LOMP, ARP IPV4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DNS, DNS, NTP, SMMP, UPP-R, ISMP, CMP, ABART mirage transmission, FTP periodic transmission Up to 14 users (Depends on network conditions)		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type or for Audio e Protocol	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 6,726 (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 / 786 f / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Ind: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SWIP, DNS, NTP, SWMP, DHCP6, MLD, ICMP, APP IPW-t TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SWTP, DNS, NTP, SWMP, UPPR, IGMP, ICMP, APP Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) Manufactured by Panasonic		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client No. of Simulta	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type or for Audio e Protocol	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps – 30 fps UNICAST / MULTICAST 10 steps 0.1 fps – 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic Line jngut / 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 High CDPI/L DUPP, HTP HTPS RTP FIP SIMP, DNS, NTP, SMP, DHCP6, MLD, LOMP, ARP IPV4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DNS, DNS, NTP, SMMP, UPP-R, ISMP, CMP, ABART mirage transmission, FTP periodic transmission Up to 14 users (Depends on network conditions)		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client No. of Simulta SDHC/SD Memo	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Transmiss	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 6,726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic Lihej mput / Audio output / Interactive [Full duplex] / Interactive [Full duplex] Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 151 / 786 4 / 1024 / 2,086 / 8,192 kbps / Unlimited IPv6: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCP-6, MLD, ICMP, APP IPv4: TCPIP, UDPIP, HTTP, HTTPS, RTPS, RTP, RTP/RTCP, FTP, SMTP, DNS, DNS, MTP, SMMP, UPPR, IGMP, ICMP, APP Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) Manufactured by Panasonic SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 256 MB, 512 MB, 1 GB, 2 GB except miliSD card and microSD card)		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client No. of Simulta SDHC/SD Memo	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type oression on for Audio e Protocol aneous Users ry Card (Option)	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps 0FF / Mic (Line) input / Audio output / 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 IPi6: TOPIP, UDPIP, HTP, HTTR, FIF, FIF, SMTP, DMS, NTP, SMMP, DHCP6, MLD, ICMP, APP IPv4- TOPIP, UDPIP, HTP, HTTR, FIF, SRTP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SNMP, UPP, IGMP, ICMP, APP Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) Manufactured by Panasonic SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 256 MB, 512 MB, 1 GB, 2 GB except miniSD card and microSD card) ON / OFF (with XML notification)		
	Audio Comp Audio Mode Authenticatio Total Bit Rate Supported F FTP Client No. of Simulta SDHC/SD Memo	Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type oression on for Audio e Protocol aneous Users ry Card (Option)	4,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 6,726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic Lihej mput / Audio output / Interactive [Full duplex] / Interactive [Full duplex] Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 151 / 786 4 / 1024 / 2,086 / 8,192 kbps / Unlimited IPv6: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCP-6, MLD, ICMP, APP IPv4: TCPIP, UDPIP, HTTP, HTTPS, RTPS, RTP, RTP/RTCP, FTP, SMTP, DNS, DNS, MTP, SMMP, UPPR, IGMP, ICMP, APP Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) Manufactured by Panasonic SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 256 MB, 512 MB, 1 GB, 2 GB except miliSD card and microSD card)		

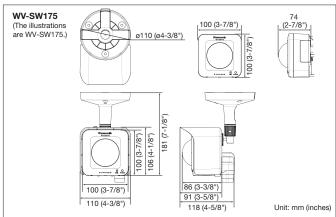
TV System			NTSC	PAL
Alarm	Alarm Source		VMD, Command alarm	
	Alarm Ad	ctions	SDHC/SD memory recording, E-mail notification, Indication on browser,	
			FTP image transfer, Panasonic protocol output	
	Alarm Log Schedule		With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs	
			VMD	
Input/ Output	Monitor Output (for adjustment) Microphone/Line Input For microphone input		VBS: 1.0 V [p-p]/75 Ω,	VBS: 1.0 V [p-p]/75 Ω,
			NTSC composite, ø3.5 mm mini jack	PAL composite, ø3.5 mm mini jack
			ø3.5 mm monaural mini jack, Input impedance: Approx. 2.2 kΩ	
			Applicable microphone: Plug-in power type, Supply voltage: 3.3 V ±0.5 V	
		For line input	Input level: Approx10 dBV	
	Audio O	utput	ø3.5 mm stereo mini jack (monaural output),Output impedance: Approx. 560 Ω, Line level	
	External I/O Terminals		ALARM IN 1, ALARM IN 2/ ALARM OUT, ALARM IN 3/ AUX OUT, GND, 12 V DC	
General	eneral Safety/EMC Standard Power Source and Power Consumption		DOC (ICES003 ClassA)	CE, IEC60950-1
				(EN55022 ClassB, EN55024)
			PoE (IEEE802.3af compliant), 12V DC	
			PoE: 130 mA (Class 2 device), 12 V DC: 430 mA	
	Ambient Operating Temperature		-20 °C ~ +50 °C (-4 °F ~ 122 °F)	
	Ambient Operating Humidity		Less than 90 % (no condensation)	
	Water and Dust Resistance		Camera: IP55 (IEC60529) 15	
	Dimensions		100 mm (W) x 100 mm (H) x 74 mm(D) (3-47/50" x 3-47/50" (H) x 2-23/25")	
			(excluding projection)	
	Mass (approx.)		Main body 350 g (0.77 lbs.)	
	Finish		Main body: PC/ABS resin, silver	
			Dome section: Clear polycarbonate resin	

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

Part Names and Functions



Appearance



- Trademarks and registered trademarks

 Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.

 IPad, IPhone and IPod touch are registered trademarks of Apple Inc.

 UniPhier is a registered trademark of Panasonic Corporation.

 "Super Dynamic", "SDII", "SDII", "SDII", "SDS", "SDS," IP-PRO" and "I-PRO SmartHD" logos are trademarks or registered trademarks of Panasonic Corporation.

 ONVIF and the ONVIF logo are trademarks of ONVIF Inc.

- Important

 Safety Precaution: carefully read the operating instructions and installation manual before using this product.

 Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.

 Masses and dimensions are approximate.

 Masses and dimensions are approximate.

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

DISTRIBUTED BY:

