

Super Dynamic Full HD Network Camera WV-SP509 WV-SP508



Full HD / 1,920 x 1,080 H.264 Network Camera featuring Super Dynamic

Key Features

- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
 Combining enhanced "UniPhier®", Panasonic's proprietary System
- LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease maximum 50%⁻¹ network bandwidth. • Cropping function enables to provide whole image (1,920 x 1,080)
- and the part image (640 x 360) simultaneously. Up to 4 image capture areas can be specified, and it is also possible to control the sequence.
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by enhanced "UniPhier[®]".
- 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.
- High sensitivity with Day & Night (IR) function:0.5 lx (Color), 0.06 lx (B/W) at F1.4 (WV-SP509)
- High sensitivity with Day & Night (Electrical) function:0.5 lx (Color), 0.3 lx (B/W) at F1.4 (WV-SP508)
- Using Panasonic distinctive LDC (Lens Distortion Compensation) function, natural image without distortion can be monitored though using wide angle lens.
- ABF (Auto Back Focus) ensures easy installation.
- ABF ensures stable focus in both color and B/W modes. (WV-SP509)
- 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.
- Superior color reproduction by primary (RGB) color filter.
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor scene / Indoor scene (50 Hz) / Indoor scene (60 Hz) / ELC / Fixed electronic shutter Outdoor scene: Electronic shutter and ALC lens iris control are automatically controlled depending on the mode and luminance level. Indoor scene (50 Hz / 60 Hz): Flicker caused by fluorescent lightning will be automatically compensated.

ELC: Up to 1/10,000 Electronic shutter is automatically applied for a fix iris lens. Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.

- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
 VMD (Video Motion Detection) with 4 programmable detection
- areas, 15 steps sensitivity level and 10 steps detection sizeFace detection function detects the position of human face and the information is sent by video stream.

- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- 2x, 4x digital zoom controlled by browser
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDXC/SDHC/SD memory recording(WV-SP509), FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic alarm protocol output.
- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site. (WV-SP509)
- 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.
- SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG) (WV-SP509)
- 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 the Internet.
- Onvif compliant model
- *1 Compared with WV-NP502. Reduction effect may vary depending on object and image quality setting conditions.

Standard Accessories

Installation Guide1 pc. CD-ROM*11 pc. Code label*21 pc.	• Wire lug fixing screws (M2.5 x 8 mm {5/16 inches}) 2 pcs. (of them, 1 for spare)
The following parts are used during installation procedures	Washer1 pc. Spring washer1 pc.
Power cord plug1 pc. Safety wire	*1 The CD-ROM contains the operating instructions and the software. *2 This label may be required for network management. The network administrator shall retain the code label.

Specifications

TV System			NTSC PAL		
Camera	Image Sensor		1/3 type MOS Sensor		
	Effective Pixels		Approx. 3.1 megapixel		
	Scanning N	Node	Progressive scan		
	Scanning A		4.51 mm (H) x 3.38 mm (V) {3/16 inches (H) x 1/8 inches (V)}		
		llumination	WV-SP509 : Color: 0.5 lx, BW: 0.06 lx (F1.4, Auto slow shutter: Off (1/30s), Gain:On(High))		
			Color: 0.03 lx, BW 0.004 lx (F1.4, Auto slow shutter: Max. 16/30s, Gain:On(High)) *1		
			WV-SP508 : Color: 0.5 lx, BW: 0.3 lx (F1.4, Auto slow shutter: Off (1/30s), Gain:On(High)) Color: 0.02 lx, BW: 0.02 lx (F1.4, Auto slow shutter: May, 18/20a, Gain:On(High))		
	Wilette Delever		Color: 0.03 kx, BW 0.02 kx (F1.4, Auto slow shutter: Max. 16/30s, Gain:On(High))*1		
	White Bala		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K		
	Light Control Mode		Outdoor scene: Automatic integration of ALC and ELC		
			Indoor scene [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 s		
			Indoor scene [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 s		
			ELC: (up to 1/10,000 sec.) Fix shutter: 1/30, 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250, 1/500,		
	Shutter Sp	eed			
			1/1,000, 1/2,000, 1/4,000, 1/10,000 (only at Super Dynamic Off)		
	Super Dun	amia			
	Super Dynamic		ON / OFF		
	Dynamic Range		52 dB typ. (Super Dynamic: ON, Light Control Mode: indoor)		
	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		WV-SP509: IR Mode: AUTO1 / AUTO2 / ON / OFF,		
	Day & Night		Level: High / Low, with external control		
			WV-SP508: Electrical Mode: OFF / AUTO		
	Digital Noise Reduction		High / Low		
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 steps		
	Privacy Zo		Up to 2 zones, Gray		
	Upside Do	wn	ON / OFF		
	VIQS		Up to 2 zones		
	Camera Tit	tle (OSD)	Up to 20 characters (alphanumeric characters, marks)		
		s Adjustment	ABF/MANUAL, ABF mode upon CL/BW switching: AUTO / PRESET / FIX		
		on Compensation			
Browser		noompensation	H.264(2) / JPEG(VGA or 640 x 360) / JPEG(QVGA or 320 x 180		
GUI	Cropping				
GUI			Up to 4 image capture areas can be specified		
	Camera Co		Brightness, AUX ON / OFF, Zoom (1x, 2x 4x)		
	Display Mo	ode	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		
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual		
	Alarm Control		Reset		
	One Shot Capture		A still picture will be displayed on a newly opened window.		
	Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High		
			Audio Output: ON / OFF Volume adjustment: Low / Middle / High (Only at WV-SP509		
	SD Memory Data Download		Still or motion Images recorded in the SDXC/SDHC/SD memory		
			card can be downloaded. (Only at WV-SP509)		
	GUI/Setup Menu Language		English, Japanese, Italian, French, German, Spanish, Chinese, Russiar		
	System Log		Up to 100 (Internal)		
			Up to 4,000 (SDXC/SDHC/SD memory when the recording		
			format is set to JPEG.) error logs (Only at WV-SP509)		
	Supported OS *2 *3		Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP		
	Supported Browser		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 SP		
Network	Network IF		10Base-T / 100Base-TX, RJ-45 connector		
	Image	Image Capture Mode:	H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps		
		2 mega pixel [16:9]	JPEG (MJPEG): 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps		
			H.264: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps		
			JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps		
		Image Capture Mode:			
			JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp:		
			H.264: 1,280 x 960, up to 15 fps		
			JPEG (MJPEG): 2,048 x1,536, up to 15 fps		
	H.264 *4		Constant bitrate / Framerate priority / Best effort		
		Frame Rate	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 /		
		hard on the	4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps		
			LOW / NORMAL / FINE		
			0.2/0.25/0.33/0.5/1/2/3/4/5s		
	1		UNICAST / MULTICAST		
		Image Quality	10 steps		
	JPEG				
	JPEG		0.1 fps ~ 30 fps		
	JPEG	Refresh Interval			
		Refresh Interval Transmission Type	PULL / PUSH		
	Audio Compressio	Refresh Interval Transmission Type on *Only at WV-SP509	PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps		
	Audio Compressio Audio Mode *(Refresh Interval Transmission Type on *Only at WV-SP509 Only at WV-SP509	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 Compressic Audio Mode *(Authentication for A	Refresh Interval Transmission Type on *Only at WV-SP509 Only at WV-SP509 udio *Only at WV-SP509	PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) Level 1 only / Level 2 higher / All users		
	Audio Compressio Audio Mode *(Authentication for A Total Bit R	Refresh Interval Transmission Type on *Only at WV-SP509 Only at WV-SP509 udio *Only at WV-SP509 ate	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		
	Audio Compressic Audio Mode *(Authentication for A	Refresh Interval Transmission Type on *Only at WV-SP509 Only at WV-SP509 udio *Only at WV-SP509 ate	PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) Level 1 only / Level 2 higher / All users		
	Audio Compressio Audio Mode *(Authentication for A Total Bit R	Refresh Interval Transmission Type on *Only at WV-SP509 Only at WV-SP509 udio *Only at WV-SP509 ate	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 IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6,ICMP, ARF		
	Audio Compressio Audio Mode *(Authentication for A Total Bit R	Refresh Interval Transmission Type on *Only at WV-SP509 Only at WV-SP509 udio *Only at WV-SP509 ate	FULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) DFF / 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 / Unlimitec Ive: TCP/IP, UDP/IP, HTTP, HTTP, HTP, RTP, FTP, SMTP, ONS, MTP, SMMP, OHCP-Ke, CMPARN, IPA: TCP/IP, UDP/IP, HTTP, HTTP, RTP, RTP, RTP, RTP, RTP, PTC, PTP, SMP, DHCP, DNS, DDS, NDS, SMP, OHCP, DNS, DDS, NDS, NDS, NDS, NDS, NDS, NDS		
	Audio Compressic Audio Mode *(Authentication for A Total Bit R Supported	Refresh Interval Transmission Type on 'Only at WV-SP509 Only at WV-SP509 udio 'Only at WV-SP509 ate Protocol	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 / Unlimitec IP%: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPA,GLOMP, ARF IP%: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UDP/IP, UDP/IP, AMP		
	Audio Compressio Audio Mode *(Authentication for A Total Bit R	Refresh Interval Transmission Type on 'Only at WV-SP509 Only at WV-SP509 udio 'Only at WV-SP509 ate Protocol	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 Inex TOP/IP, UDP/IP, HTTP, HTTP, RTP, FTP, SMTP, DNS, MTP, SMMP, DHCP-6,U/PU, AFR IP44: TOP/IP, UDP/IP, HTTP, HTTP, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPAP,GMP,GMP,APP Alam image transmission, FTP periodic transmission (When the FTP transmission		
	Audio Compressio Audio Mode *(Authentication for A Total Bit R Supported	Refresh Interval Transmission Type n 'Only at WV-SP509 Only at WV-SP509 dio 'Only at WV-SP509 ate Protocol	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) DFF / 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 / 2,046 / 4,096 / 8,192 kbps / Unlimited Ive: TOPI/ IDP/IP, HTTP, HTTPS, RTF, FTF, SMTP, DNS, MTP, SMMP, DHCPC, DIXA, PAR Ive: TCPI/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPA/LGMP/CMP AR Alarm image transmission, FTP periodic transmission (When the FTP transmission is falled, backgo on an optional SDXC/SDHCSD memory card is available. 1 'Only at WX-SPGP		
	Audio Compressio Audio Mode *(Aufhentication for A Total Bit R Supported FTP Client No. of Simu	Refresh Interval Transmission Type nº '0n/yat WV-SP509 Only at WV-SP509 udio '0n/yat WV-SP509 ate Protocol	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 / 2,046 / 4,066 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, HTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCP-6,ICMP, AFF IPv4: TCP/IP, UDP/IP, HTTP, HTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SMMP, UPnP, IGMP, ICMP, ATP Alarm image transmission, FTP periodic transmission (When the FTP transmission is falled, backup on an optional SDXC/SDHC/SD memory card is available. 1) Only at WI-SP508 Up to 14 users (Depends on network conditions)		
	Audio Compressio Audio Mode *(Authentication for A Total Bit R Supported	Refresh Interval Transmission Type nº '0n/yat WV-SP509 Only at WV-SP509 udio '0n/yat WV-SP509 ate Protocol	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) DFF / 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 / 2,046 / 4,096 / 8,192 kbps / Unlimited Ive: TOPI/ IDP/IP, HTTP, HTTPS, RTF, FTF, SMTP, DNS, MTP, SMMP, DHCPC, DIXA, PAR Ive: TCPI/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPA/LGMP/CMP AR Alarm image transmission, FTP periodic transmission (When the FTP transmission is falled, backgo on an optional SDXC/SDHCSD memory card is available. 1 'Only at WX-SPGP		
	Audio Compression Audio Mode *0 Authentication for A Total Bit R Supported FTP Client No. of Simu SDXC/SDF	Refresh Interval Transmission Type nº '0n/yat WV-SP509 Only at WV-SP509 udio '0n/yat WV-SP509 ate Protocol	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 I%: TOPIP, UDPIP, HTTP, HTTP, RTP, FTP, SMTP, DNS, MTP, SMMP, DHCP-6,UCM-APR IPA+ TOPIP, UDPIP, HTTP, HTTP, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPAP,IGMP,IGMP,APR Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXCSDHCSD memory card is available. 1 'Only at W-SP68 Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC		
	Audio Compressio Audio Mode *(Authentication for A Total Bit R Supported FTP Client No. of Simu SDXC/SDF Memory C	Refresh Interval Transmission Type on 'Only at W-SP509 oddo 'Only at W-SP509 addo 'Only at W-SP509 ate Protocol Itaneous Users HC/SD ard (Option)	FULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps GF/ Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) DFF/ 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 / 2,046 / 4,096 / 8,192 kbps / Unlimited Ine: CDP/I, DUP/IP, HTTP, HTTP, RTP, RTP, RTP, MON, MP, SMMP, DHCP-GL/GUM-RPA Ine: CTP/I, DUP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UAP/CMP/CMM-ARP Aarm image transmission, FTP periodic transmission (When the FTP transmission is faled, backup on an optional SDXCSDHCSD memory card is available. 1 'Only at Wi-SP608 Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC / Alarm REC (Pre/Post) / Schedule REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure Compatible		
	Audio Compression Audio Mode *0 Authentication for A Total Bit R Supported FTP Client No. of Simu SDXC/SDF	Refresh Interval Transmission Type on 'Only at W-SP509 oddo 'Only at W-SP509 addo 'Only at W-SP509 ate Protocol Itaneous Users HC/SD ard (Option)	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 / 2,046 / 4,066 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, HTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCP-6,ICMP, AFF IPv4: TCP/IP, UDP/IP, HTTP, HTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SMMP, UPnP, IGMP, ICMP, ATP Alarm image transmission, FTP periodic transmission (When the FTP transmission is falled, backup on an optional SDXC/SDHC/SD memory card is available. 1) Only at WI-SP508 Up to 14 users (Depends on network conditions)		

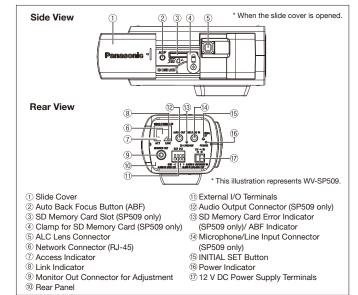
TV System		NTSC	PAL	
Network	Cellular Phone Compatibility	JPEG image		
	Mobile Terminal Compatibility'5			
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	WV-SP509 : 3 terminals input, VMD, Command alarm		
		WV-SP508 : 1 terminal input, VMD, Command alarm		
	Alarm Actions	SDXC/SDHC/SD memory recording*, E-mail notification, Indication on browser		
		FTP image transfer, Panasonic protocol output *Only at WV-SP509		
	Alarm Log	With SDXC/SDHC/SD memory card*: 5000 logs,		
	-	without SDXC/SDHC/SD memory card: 1000 logs *Only at WV-SP509		
	Schedule	Alarm / VMD / Access permission / H.264 recording		
Input/	Monitor Output	VBS: 1.0 V [p-p]/75 Ω,	VBS: 1.0 V [p-p]/75 Ω,	
Output	(for adjustment)	NTSC composite, RCA Jack	PAL composite, RCA Jack	
	Microphone/Line Input	MIC IN and Line IN are selectable. ø3.5 mm stereo mini jack (monaural input) (Applicable		
	*Only at WV-SP509	microphone : Plug-in power type) Supply voltage: 2.5 V ±0.5 V Input impedance: approx. 2 kΩ		
	Audio Output *Only at WV-SP509	ø3.5 mm stereo mini jack (monaural output) Line level		
	External I/O Terminals	WV-SP509 : ALARM IN 1 / DAY/NIGHT IN, ALARM IN 2 / ALARM OUT, ALARM IN 3 / AUX OUT		
		WV-SP508 : ALARM IN 1 / DAY/NIGHT IN, ALARM OUT, AUX OUT		
General	Safety/EMC Standard	UL (UL60950-1), FCC (Part15 ClassA),	CE, IEC60950-1	
		C-UL (CAN/CSA C22.2 No.60950-1),	(EN55022 ClassB, EN55024)	
		DOC (ICES003 ClassA)		
	Power Source and	WV-SP509 : 12V DC: 570 mA*, PoE (IEEE802.3af compliant) / PoE 48 V: 125 mA (Class 2 device)		
	Power Consumption	WV-SP508 : 12V DC: 550 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 120 mA (Class 2 device)		
		* FOR UL LISTED MODEL(S), ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY.		
	Ambient Operating Temperature	–10 °C ~ +50 °C (14 °F ~ 122 °F)		
	Ambient Operating Humidity			
	Dimensions	75 mm (W) x 65 mm (H) x 132.5 mm (D)		
		{2-31/32"(W) x 2-9/16"(H) x 5-1/4"(D)} excluding connectors/terminals		
	Mass (approx.)	420 g (0.93 lbs)		
	Finish	Fine Silver (501)		

Windows® 7 or Microsoft® Windows Vista®.

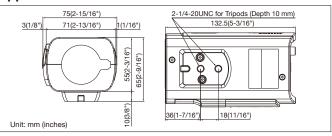
³ When using IPv6 for communication, use Microsoft[®] Windows[®] 7 or Microsoft[®] Windows Vista[®], ^{*}4 Transmission for 2 streams can be individually set in the same compression method.

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

Part Names and Functions



Appearance



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ONVIF and the ONVIF logo are trademarks of ONVIF Inc.
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All TV pictures are simulated.
Masses and dimensions are approximate.
Specifications are subject to change without notice.
These products may be subject to export control regulations.
All product pictures are NTSC models.



http://panasonic.net/security/

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