

WV-SW559 WV-SW558



Full HD / 1,920 x1,080 H.264 Vandal Resistant 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.
- 1,080p 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%¹¹ 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 F1.3 (WV-SW559)
 High sensitivity with Day & Night (Electrical) function:0.5 lx (Color),
- 0.3 lx (B/W) at F1.3 (WV-SW558)
 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-SW559)
- 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: Floctronic shutter and ALC long iris control are automatically.

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 size
- Face 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-SW559), 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-SW559)
- 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-SW559)
- 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
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Vandal resistant mechanism for high reliability
- 2.8 ~ 10.0 mm, 3.6x Varifocal Auto Iris Lens
- *1 Compared with WV-NP502. Reduction effect may vary depending on object and image quality setting conditions.

Standard Accessories

Standard Accessories	
Installation Guide	Fixing screws (M4 x 8 mm)

Optional Accessories

Ceiling Mount Bracket
WV-Q169

Smoke Dome Cover



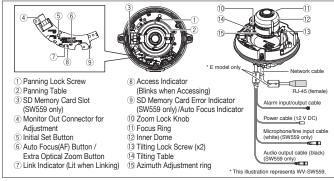
Specifications

TV System	ficati		NTSC PAL		
Camera	Image S		1/3 type MOS Sensor		
	Effective	Pixels	Approx. 3.1 megapixel		
	Scanning	Mode	Progressive scan		
	Scanning		4.51 mm (H) x 3.38 mm (V) {3/16 inches (H) x 1/8 inches (V)}		
			WV-SW559:		
	Minimum Illumination		Color: 0.5 lx, BW: 0.06 lx (F1.3, Auto slow shutter: Off (1/30s), Gain:On(High		
			Color: 0.03 lx, BW 0.004 lx (F1.3, Auto slow shutter: Max. 16/30s, Gain:On(High)) WV-SW558: Color: 0.5 lx, BW: 0.3 lx (F1.3, Auto slow shutter: Off (1/30s), Gain:On(High)		
White Balance Light Control Mode			Color. 0.03 k, BW 0.02 k (F1.3, Auto slow shutter: Max. 16/30s, Gain:On(High)) AWG (2,000 – 10,000 k), ATW1 (2,700 – 6,000 k) 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, 1/1,000, 1/2,000, 1/4,000, 1/10,000 (only at Super Dynamic Of ON / OFF 52 dB typ. (Super Dynamic: ON, Light Control Mode: indoor) ON / OFF (Only at Super Dynamic: ON)		
	Shutter Speed Super Dynamic Dynamic Range Face Super Dynamic				
	AGC	Black Stretch	ON / OFF (Only at Super Dynamic: OFF) ON (LOW, MID, HIGH) / OFF		
		ic 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-SW559: IR Mode: AUTO1 / AUTO2 / ON / OFF, Level:High / Low, with external control WV-SW558: Electrical		
	Digital N	oise Reduction	Mode: OFF / AUTO High / Low		
		otion Detection	4 areas, Sensitivity: 15 steps, Detection size: 10 steps		
	Privacy 2		Up to 2 zones, Gray		
	Upside E		ON / OFF		
	VIQS	70WII			
		Title (OSD)	Up to 2 zones		
		Title (OSD)	Up to 20 characters (alphanumeric characters, marks)		
	Focus Adjustment		ABF/MANUAL		
		rtion Conpensation			
Lens	Focal Le	ngth	2.8 mm ~ 10 mm, 3.6x (5.6 mm ~ 20 mm, 7.2x with extra optical zoom (at VGA		
	Angular Field of View ²		H: 24.2 °(TELE) ~ 86.6 °(WIDE)		
	Maximum Aperture Ratio		1:1.3 (WIDE) ~ 1:3.0 (TELE)		
	Focusing Range		0.3 m ~ ∞		
Adjusting		,	Horizontal: 180 ° (clockwise), 160 ° (counterclockwise),		
Aujusting	Aligie		Vertical: ±75 °, Image tilt adjustment range: ±100 °		
D	I 0:				
Browser	Cropping		H.264(2) / JPEG(VGA or 640 x 360) / JPEG(QVGA or 320 x 180		
GUI			Up to 4 image capture areas can be specified		
	Camera Control		Brightness, AUX ON / OFF, Zoom (1x, 2x 4x)		
	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Qua		
			screens or 16 split screen (JPEG only). 20 characters camera title available		
	Digital Z	oom	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 (Manua		
	Alarm Control		Reset		
	One Shot Capture Audio		A still picture will be displayed on a newly opened window. Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High Will On the Wild (Chicago displayed by Chicago di		
	CD 14	ry Data Download	Audio Output: ON / OFF Volume adjustment: Low / Middle / High (Only at WV-SW559		
		,	Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. (Only at WV-SW55		
	GUI/Setup Menu Language		English, Japanese, Italian, French, German, Spanish, Chinese, Russian		
	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-SW55)		
	Supporte	ed OS *3 *4	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:			
			JPEG (MJPEG): 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps		
	1 1000IUIIUII				
			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 fp		
			H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp		
		1.3 mega pixel [4:3]	JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp		
		Image Capture Mode:	H.264: 1,280 x 960, up to 15 fps		
		3 mega pixel [4:3]	JPEG (MJPEG): 2,048 x1,536, up to 15 fps		
			Constant bitrate / Framerate priority / Best effort		
	H.264 *5				
	H.264 *5	Frame Rate	1/3/5/7.5/12/10/15/20/30 fps		
	H.264 *5	Frame Rate Bit Rate/Client	1/3/5/7.5/12/10/15/20/30 fps 64/128/256/384/512/768/1,024/1,536/2,048/3,072		
	H.264 *5		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072		
	H.264 *5	Bit Rate/Client	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps		
	H.264 *5	Bit Rate/Client Image Quality	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE		
	H.264 *5	Bit Rate/Client Image Quality Refresh Interval	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s		
		Bit Rate/Client Image Quality Refresh Interval Transmission Type	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s UNICAST / MULTICAST		
	H.264 *5	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s UNICAST / MULTICAST 10 steps		
		Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s UNICAST / MULTICAST 10 steps 0.1 fps ~ 30 fps		
	JPEG	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s UNICAST / MULTICAST 10 steps 0.1 fps ~ 30 fps PULL / PUSH		
	JPEG Audio Compre	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ssion 'Only at WV-SW559	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s UNICAST / MULTICAST 10 steps 0.1 fps ~ 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps		
	JPEG Audio Compre Audio Mode	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type ssion 'Ohly at WV-SW559 Only at WV-SW559	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s 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 (Full duplex)		
	JPEG Audio Compre Audio Mode Authentication fo	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Transm	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 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		
	JPEG Audio Compre Audio Mode	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Transm	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s 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 (Full duplex)		
	JPEG Audio Compre Audio Mode Authentication for Total Bit	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Transm	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s UNICAST / MULTICAST 10 steps 0.1 fps ~ 30 fps PULL / PUSH PULL / PUSH PULL / PUSH 5,726 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex 64 / 128 / 256 / 384 / 152 / 758 f / 1,024 / 2,048 / 4,098 / 8,192 kbps / Unlimite IPA: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPA; G.OMP, AR		
	JPEG Audio Compre Audio Mode Authentication for Total Bit	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type siston Tohja wi-SW559 'Only at WW-SW559 Yonly at WW-SW559 Rate Bed Protocol	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 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) / Interactive (Full duplex) / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite line: TOPIP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DMS, MTP, SMMP, DHCP+GLOMP, AIP N. SMMP, UPPP, LOMP, LOPP, INTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, SMTP, DHCP, DNS, DNS, SMMP, SMMP, UPPP, SMMP, DMP, LOPMP, AIPP, SMMP, DMP, SMMP, UPPP, SMMP, DMP, LOPMP, LOPMP, AIPP, SMMP, DMP, SMMP, UPPP, SMMP, DMP, DMP, SMMP, UPPP, SMMP, DMP, DMP, SMMP, UPPP, SMMP, DMP, SMMP, UPPP, SMMP, DMP, DMP, SMMP, UPPP, SMMP, DMP, DMP, SMMP, UPPP, SMMP, UPPP		
	JPEG Audio Compre Audio Mode Authentication in Total Bit Supporte FTP Clie	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Session 'Only at Wi-SW59 'Only at Wi-SW59 Rate ad Protocol	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s 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) / Interactive (Ful		
	JPEG Audio Compre Audio Mode Authentication for Total Bit Supporte FTP Clie No. of Sir	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type sison Tonja W-SW559 'Only at W-SW559 Rote Protocol Int multaneous Users	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 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 / Unlimite 19%: TCPIP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMNP, DHCP-6, ICMP, ARI 19M: TCPIP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RT		
	JPEG Audio Compre Audio Mode Authentication for Total Bit Supporte FTP Clie No. of Sir SDXC/Si	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Vision Only at W-SW59 Tonly at W-SW59 Tonly at W-SW59 Tonly at W-SW59 Rate and Protocol Int multaneous Users DHC/SD	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s UNICAST / MULTICAST 10 steps 0.1 fps ~ 30 fps PULL / PUSH 0.2 / 0.26 / 0.32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps GFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 152 / 758 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite IPA: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCP-6/CMP-ARI IPA: TCPIP, UDPIP, HTTP, HTTPS, RTS, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS NTP, SMMP, UPP-JGMP,CMP-ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is fallet backup on an optional SDX/CSDHC/SD memory card is available.) "Only at WV-SW55 Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC		
	JPEG Audio Compre Audio Mode Authentication for Total Bit Supporte FTP Clie No. of Sir SDXC/Si Memory	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type sission 'Only at WI-SW59 Only at WI-SW59 Auto 'Only at WI-SW59 Rate Protocol Int multaneous Users DHC/SD Card (Option)	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s 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 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite IPN: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPNG, CMP, API IPN-LTCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DNS NTP, SNMP, UPPR-JGMP/LOMP ARP Alam image transmission, FTP periodic transmission (When the FTP transmission is falled backup on an optional SDXC/SDHC/SD memory card is available. ") "Only at WN-SW55 Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post		
	JPEG Audio Compre Audio Mode Authentication for Total Bit Supporte FTP Clie No. of Sir SDXC/Si Memory	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Vision Only at W-SW59 Tonly at W-SW59 Tonly at W-SW59 Tonly at W-SW59 Rate and Protocol Int multaneous Users DHC/SD	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s 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) FUFL / 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 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite 1li%: TCPIP, UDPIP, HTTP, HTTPs, RTP, FRP, SMTP, DNS, NTP, SMMP, DHCP+G.CMP, All 1liN-1: TCPIP, UDPIP, HTTP, HTTPS, RTP, FRP, FTP/RTCP, FTP, SMTP, DHCP, DNS, DNS Malmrinage transmission. FTP periodic transmission (When the FTP transmission is falect backup on an optional SDXC/SDHC/SD memory card is available. 1) "Only at WK-SW55 Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC PFG recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC 19FG recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC 19FG recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC 19FG recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC 19FG recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC 19FG recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC		
	JPEG Audio Compre Audio Mode Authentication in Total Bit Supporte FTP Clie No. of Sir SDXC/Si Memory "Only at	Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type sission 'Only at WI-SW59 Only at WI-SW59 Auto 'Only at WI-SW59 Rate Protocol Int multaneous Users DHC/SD Card (Option)	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 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 / 5 s 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 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite IPN: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPNG, CMP, API IPN-LTCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DNS NTP, SNMP, UPPR-JGMP/LOMP ARP Alam image transmission, FTP periodic transmission (When the FTP transmission is falled backup on an optional SDXC/SDHC/SD memory card is available. ") "Only at WN-SW55 Up to 14 users (Depends on network conditions) H.264 recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Prer/Post		

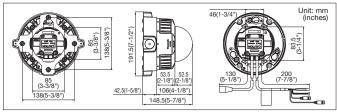
TV System		NTSC	PAL	
Network	Mobile Terminal Compatibilty'6	iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android™ mobile terminals		
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	WV-SW559		
		3 terminals input, VMD, Comm	and alarm	
		WV-SW558 1 terminal input, VMD, Command alarm		
	Alarm Actions	SDXC/SDHC/SD memory recording*, E-mail notification, Indication or		
		browser, FTP image transfer, Panasonic protocol output *Only at WV-SW559		
	Alarm Log	With SDXC/SDHC/SD memory card*: 5,000 logs,		
		without SDXC/SDHC/SD memory card: 1000 logs *Only at WV-S Alarm / VMD / Access permission / H.264 recording		
	Schedule			
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		
	*Only at WV-SW559	(monaural input) (Applicable microphone: Plug-in power type)		
		Supply voltage: 2.5 V ±0.5 V Input impedance: approx. 2 kΩ		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
	*Only at WV-SW559	* * * * * * * * * * * * * * * * * * * *		
	External I/O Terminals	WV-SW559		
		ALARM IN 1/DAY/NIGHT IN, ALARM IN 2/ALARM OUT, ALARM IN 3/AUX OUT		
		WV-SW558		
	0-f-t-/50000t	ALARM IN 1/DAY/NIGHT IN, ALARM OUT, AUX OUT UL (UL60950-1), FCC (Part15 ClassA), CE, IEC60950-1		
General	Safety/EMC Standard	C-UL (CAN/CSA C22.2 No.60950-1),		
			(EN55022 ClassB, EN55024)	
	Power Source and	DOC (ICES003 ClassA) WV-SW559		
	Power Consumption	12V DC: 850 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 180 mA (Class 0 device		
	Fower Consumption	WV-SW558		
		12V DC: 830 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 175 mA (Class 0 device)		
		* FOR UL LISTED MODEL(S), ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY.		
	Ambient Operating Temperature			
	Ambient Operating Humidity	Less than 90 % (no condensation)		
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible		
	Shock Resistance	Compliant with 50 J (IEC 60068-2-75)/IK10 (IEC 62262)		
	Dimensions	ø164 mm x 146 mm (H) x 191.5 mm (W)		
	1	{ø6-15/32 inches x 5-3/4 inches (H) x 7-17/32 inches (W)} (Base Cover)		
	Mass (approx.)	1.6 kg (3.53 lbs)		
	Finish	Main body: Aluminum die cast, light gray,		
		Dome section: Clear polycarbonate resin		

- *1 Converted value
 *2 If *1.3 megapixel [4:3]* is selected for the imaging mode, the viewing angle will become narrower.
 *3 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* 7 or Microsoft* Windows Vista* / 4 When using IPv6 for communication, use Microsoft* Windows* 7 or Microsoft* Windows Vista*.
 *5 Transmission for 2 streams can be individually set in the same compression method.
 *6 For further information about compatible devices, refer to our website (http://panasonic.net/pss/security/support/info.html).

Part Names and Functions



Appearance



Trademarks and registered trademarks

- 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", "SDI", "SDI", "SDS", "SDS-Junk", "i-PRO" and "i-PRO SmartHD" logos are trademarks or registered trademarks of Panasonic Corporation.

 ONVIF and the ONVIF logo are trademarks of ONVIF Inc.

 All other trademarks identified herein are the property of their respective owners. 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.

 All TV pictures are simulated.

 Masses and dimensions are approximate.

 Specifications are subject to change without notice.

- Specifications are subject to change without notice.
 These products may be subject to export control regulations.
 All product pictures are NTSC models.

DISTRIBUTED BY:

