Panasonic

Super Dynamic Full HD Vandal Resistant Dome Network Camera 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%⁻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
- 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
- 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: 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
- 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

- CD-ROM^{*}¹1 pc. • Code label*²......1 pc.
- The following parts are used during
- installation procedures.
- 4P alarm cable1 pc.
- Camera attachment1 pc.
 2P power cable1 pc.

Optional Accessories

Ceiling Mount Bracket
WV-Q169
Smoke Dome Cover
WV-CW4S



...5 pcs. (of them, 1 for spare)

.1 pc.

.1 pc.

• Base cover.....1 pc.

Waterproof tape1 pc.

*1 The CD-ROM contains the operating instructions and different kinds of tool software programs. *2 This label may be required for network management. The network administrator shall retain the code label.

Bit for tamperproof screw

Fixing screws (M4 x 8 mm)

Mount bracket.....

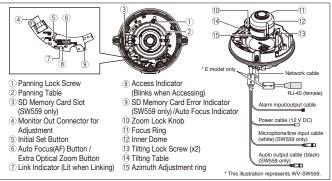
Specifications

Camera	n Image Se	ensor	NTSC PAL 1/3 type MOS Sensor	
	Image Sensor		1/3 type MOS Sensor Approx. 3.1 megapixel	
	Effective Pixels Scanning Mode		Progressive scan	
	Scanning Area		4.51 mm (H) x 3.38 mm (V) {3/16 inches (H) x 1/8 inches (V)}	
	Minimum Illumination		WV-SW559:	
			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)	
			Color: 0.03 lx, BW 0.02 lx (F1.3, Auto slow shutter: Max. 16/30s, Gain:On(High)) *	
	White Balance		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.)	
	Shutter Speed		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 Off	
	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-SW559: IR	
	Digital Noise Reduction		Mode: AUTO1 / AUTO2 / ON / OFF, Level:High / Low, with external control	
			WV-SW558: Electrical	
			Mode: OFF / AUTO	
			High / Low	
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 steps	
	Privacy Zone		Up to 2 zones, Gray	
Long	Upside Down		ON / OFF	
	VIQS		Up to 2 zones	
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks)	
	Focus Adjustment		ABF/MANUAL	
	Lens Distortion Compensation			
Lens	Focal Length		2.8 mm - 10 mm, 3.6x (8.4 mm - 30 mm 10.8x with Extra optical zoom (at 360P)	
	Angular Field of View ²		H: 24.2 °(TELE) ~ 86.6 °(WIDE) V: 13.50°(TELE) ~ 47.57°(WIDE)	
	Maximum Aperture Ratio		1 : 1.3 (WIDE) ~ 1 : 3.0 (TELE)	
Focusing Range Adjusting Angle		j narige	0.3 m ~ ∞ Horizontal: 180 ° (clockwise), 160 ° (counterclockwise),	
Aujusting	Aligie		Vertical: ±75 °, Image tilt adjustment range: ±100 °	
Browser	Cropping		H.264(2) / JPEG(VGA or 640 x 360) / JPEG(QVGA or 320 x 180)	
GUI	Cropping Camera Control		Up to 4 image capture areas can be specified	
aon			Brightness, AUX ON / OFF, Zoom (1x, 2x 4x)	
	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad	
			screens or 16 split screen (JPEG only). 20 characters camera title available	
	Digital Zoom		1x, 2x, 4x controlled by browser GUI	
	Camera Title		Up to 20 alphanumeric characters	
	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,	
	, laalo		Audio Output: ON / OFF Volume adjustment: Low / Middle / High (Only at WV-SW559)	
	SD Memory Data Download		Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. (Only at WV-SW559	
	GUI/Setup Menu Language		English / Italian / French / German / Spanish / Russian / Chinese / Japanese	
	System Log		Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory	
	Supported OS *3 *4 Supported Browser		when the recording format is set to JPEG.) error logs (Only at WV-SW559	
			Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP3	
			Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit)	
			Windows Retrievent Fundament 7.0 (00 hit) Minute 468 laters at Fundament 6.0 000	
			Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3	
Network	Network	<u>IF</u>	10Base-T / 100Base-TX, RJ-45 connector	
Network	Image	Image Capture Mode:	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps	
Network	Image	Image Capture Mode: 2 mega pixel [16:9]	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps	
Network	Image	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode:	10Base-T / 100Base-TX, RJ-45 connector H.264 : 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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	
Network	Image	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9]	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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	
Network	Image	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode:	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps	
Network	Image	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3]	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps	
Network	Image	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode:	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps H.264: 1,280 x 960, up to 15 fps	
Network	Image Resolution	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3]	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 L.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps H.264: 1,280 x 960, up to 15 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps	
Network	Image	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 H.264: 1,280 x 960 / VGA(640 x 480) / VQA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / VQA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / VGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort	
Network	Image Resolution	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps H.264: 1,280 x 960, up to 15 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps	
Network	Image Resolution	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps	
Network	Image Resolution	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 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 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x1,536, up to 15 fps DPEG (MJPEG): 2,048 x1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps	
Network	Image Resolution	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 80 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE	
Network	Image Resolution	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [46:9] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Bit Rate/Client Image Quality Refresh Interval	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,220 × 1080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(40 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(40 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(40 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant birate / Framerate priority / Best effort 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 / 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	
Network	Image Resolution H.264 *5	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 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 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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	
Network	Image Resolution	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 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 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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	
Network	Image Resolution H.264 *5	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [46:9] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode 3 mega pixel [4:3] Transmission Mode Bit Rate/Client Image Quality Refresh Interval Tramsge Quality Refresh Interval	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,220 × 1080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(40 × 480) / OVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(40 × 480) / OVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(40 × 480) / OVGA(320 × 240), up to 30 fps H.264: 1,280 × 960, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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	
Network	Image Resolution H.264 *5 JPEG	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 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 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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	
Network	Image Resolution H.264 * ⁵ JPEG Audio Compre	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Refresh Interval Transmission Type Images On Itype Son Ohy a W-SN559	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 720 / 640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 720 / 640 x 480) / QVGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Mode	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [46:9] Image Capture Mode: 1.3 mega pixel [4:3] Transmission Mode 3 mega pixel [4:3] Transmission Mode Bit Rate/Client Image Quality Refresh Interval Transg Quality Refresh Interval Transg Ouslity Refresh Interval Refresh Inter	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,220 × 1080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps G4 / 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 /M (Line) input / Audio output / Interactive (Full duplex / Interactive (Full duplex / Interactive Full duplex / Interactive	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Mode	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Irransmission Type Siston Type W-SW559 Only at W-SW559 Only at W-SW559 Code Only at W-SW55	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps 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 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / 0VGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x 15,36, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 51 / 768 / 1,02 / 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) imput / Audio output / Interactive (Full duplex Level 1 only / Level 2 higher / All users	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Compre Audio Mode Autentication fc Total Bit	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Sistion Toly at Wi-SW559 "Only at Wi-SW559 Add: Only at Wi-SW559 Rate	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 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 H.264: 1,280 x 960 / VGA(640 x 480) / VGA(320 x 240), up to 30 fps JPEG (MJPEG): 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 JPEG (MJPEG): 1,280 x 720 / 640 x 380 / VGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / VGA(320 x 240), up to 30 fps JPEG (MJPEG): 2,048 x1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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 GF7 //lic (Line) input / Audio output / Interactive (Full duplex Level 1 only / Level 2 higher / All users	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Compre Audio Mode Autentication fc Total Bit	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Irransmission Type Sistion Type W-SW559 Only at W-SW559 Tohdo 'Only at W-SW559	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,220 × 1080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps G / 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 GF/ Mic (ine) input / Audio output / Interactive (Full duplex / Interactive (Full duplex / Interactive (Full duplex / Interactive Full duplex / Interactive Full duplex / Interactive Full duplex / Interactive (Full duplex / Interactive Full duplex / Interactive	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Compre Audio Mode Autentication fc Total Bit	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type 'Only at W-SW559 'Add: '014 at W-SW559 Add: '014 at W-SW559 Add: '014 at W-SW559 Capture Watter Rate	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 51 / 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 / 51 / 768 / 1,024 / 4,086 / 8,192 kbps / Unlimitet IP4: T07/P, UDP/P, HTTP, HTTP, RTP, FTP, SMTP, DNR, NTP, SMMP, DHCPA(9, SMC) P4: T07/P, UDP/P, HTTP, HTTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP,	
Network	Image Resolution H.264 * ⁵ JPEG Audio Compre Audio Compre Audio Mode Authentication fr Total Bit Supporte	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 7 mamsission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Refresh Interval Iransmission Type Image Quality Refresh Interval iransmission Type 2 mode 1 My-SW559 * Adu Only at W-SW559 * Adu Only at W-SW55	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 x 1,080 / 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 H.264: 1,280 x 960 / VGA(640 x 480) / VOXGA(20 x 240), up to 30 fps JPEG (MJPEG): 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 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / VOXGA(20 x 240), up to 30 fps H.264: 1,280 x 960 , up to 15 fps JPEG (MJPEG): 2,048 x1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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 GF7 / 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 / Unlimitter IP4: TCP/P, UDP/P, HTTP, HTTP, RTP, FTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, R	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Compre Audio Mode Autentication fc Total Bit	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 7 mamsission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Refresh Interval Iransmission Type Image Quality Refresh Interval iransmission Type 2 mode 1 My-SW559 * Adu Only at W-SW559 * Adu Only at W-SW55	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,220 × 1080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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 64 / 128 / 266 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Hei CTP/IN, UDPIR, HTTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP,	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Compre Audio Mode Auteritation C Total Bit Supporte	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Irransmission Type Irransmission Type Refresh Interval Irransmission Type Refresh Interval Irransmission Type Irransmission Type Refresh Interval Refresh Interval R	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 00X/320 × 240, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 00X/320 × 240, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 2,048 × 15,36, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 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 / 51 / 768 / 1,024 / 4,046 / 4,086 / 8,192 kbps / Unlimited IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPA(0,0M PARP IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPA(0,0M PARP IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPA(0,0M PARP IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPA(0,0M PARP IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, SMTP, DNS, NTP, SMMP, DHCPA(0,0M PARP IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, SMTP, DNS, NTP, SMMP, DHCPA(0,0M PARP IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPA(0,0M PARP IP4: TO/Pi, UDP/P, HTTP, HTTP, RTP, PIPRICP-IP, SMTP, DNCP, ON, DDNS, NTP, SMMP, UPAP, ISMP/IOMP, APA	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Auteritation in Total Bit Supporte FTP Clie No. of Sin	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type State Voltant 1 mage Quality Refresh Interval Refresh Interval Intage Quality Refresh Interval Interval Refresh Interval Interval Refresh Interval Interval Refresh Interval Inter	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / VGA(320 × 240), up to 30 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 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 / 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 Linei Input / Audio autput / Interactive (Full duplex / Interactive (Full duplex / Interactive Full duplex / Interactive FUL / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IP4: TD7PI, UDPIR, HTTP, HTTP, RTP, RTP, RTP, RTP, RTP, RTP, SMTP, DMC, MP, SMMP, UHCPA6, DMA AR IP4: TD7PI, UDPIR, HTTP, HTTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP,	
Network	Image Resolution H.264 *5 JPEG Auto Compre Auto Mode Auterication of Supporte FTP Cliei No. of Sin SDXC/SI	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type W-SW559 'Only at WV-SW559 'Only at WV-SW559	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,280 × 1080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,820 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,820 × 720 / 640 × 360 / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps G / 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 GF/ Mic (ine) input / Audio output / Interactive (Fall duplex / Interactive (Fall du	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Compre Audio Mode Auteritation C Total Bit Supporte FTP Cliel No. of Sin SDXC/SI Memory	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: Frame Rate Bit Rate/Client Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Stade 'Ong atW-SW598 Only atW-SW598 Cab Otype W-SW598 Cab Otype W-SW598	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / 0VGA(320 × 240), up to 30 fps JPEG (MJPEG): 2,048 × 15,36, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 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 / 4,086 / 8,192 kbps / Unlimite Hex TCP/IP, UDP/IP, HTTP, HTPS, RTP, FTP, SMTP, DNK, NTP, SMMP, DHCP, 0K, DMS, NTP, SMMP, UPAP, IMP, HTP, HTPS, RTP, FTP, SMTP, DNC, ND, NS, NS, NSMP, DHCP, 0K, DAS, NP, SMMP, UPAP, IGM / 1024 / 2,048 / 4,048 /	
Network	Image Resolution H.264 *5 JPEG Audio Compre Audio Compre Audio Mode Auteritation C Total Bit Supporte FTP Cliel No. of Sin SDXC/SI Memory	Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type W-SW559 'Only at WV-SW559 'Only at WV-SW559	10Base-T / 100Base-TX, RJ-45 connector H.264: 1,280 × 1080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,820 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,820 × 720 / 640 × 360 / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960 / VGA(640 × 480) / QVGA(320 × 240), up to 30 fps H.264: 1,280 × 960, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps G / 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 GF/ Mic (ine) input / Audio output / Interactive (Fall duplex / Interactive (Fall du	

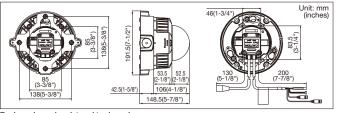
TV System		NTSC	PAL	
Network	Mobile Terminal Compatibility'6	iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android [™] mobile terminals		
Alarm	Alarm Source	WV-SW559		
		3 terminals input, VMD, Command alarm		
		WV-SW558		
		1 terminal input, VMD, Command alarm		
	Alarm Actions	SDXC/SDHC/SD memory recording*, E-mail notification, Indication on		
		browser, FTP image transfer, Panasonic protocol output *Only at WV-SW559		
	Alarm Log	With SDXC/SDHC/SD memory card*: 5,000 logs,		
		without SDXC/SDHC/SD memory card: 1000 logs *Only at WV-SW559		
	Schedule	Alarm / VMD / Access permission / H.264 recording		
Input/ Output	Monitor Output	VBS: 1.0 V [p-p]/75 Ω,	VBS: 1.0 V [p-p]/75 Ω,	
	(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 k Ω		
	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		
<u> </u>		ALARM IN, ALARM OUT, AUX OUT Idard UL (UL60950-1). FCC (Part15 ClassA). CE, IEC60950-1		
General	Safety/EMC Standard	UL (UL60950-1), FCC (Part15 ClassA),		
		C-UL (CAN/CSA C22.2 No.60950-1),	(EN55022 ClassB, EN55024)	
	Power Source and	DOC (ICES003 ClassA) WV-SW559		
	Power Source and Power Consumption			
	Power Consumption	12V DC: 850 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 180 mA (Class 0 device) 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	-40 °C ~ $+50$ °C (-40 °F ~ 122 °F)		
	Ambient Operating Temperature	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 148.5 mm (H) x 191.5 mm (W)		
	Dimensions	{ø6-15/32 inches x 5-7/8 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,		
	r mon	Dome section: Clear polycarbonate resin		
*1 0		Donie section. Olear polycarbol		

*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*. *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.htm).

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.

 - "MEGA Super Dynamic" and "I-PRO SmarthD" logo are trademarks or registered trademarks of Panasonic Corporation.

 - NVIF 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 cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

 • All TV pictures are simulated.

- 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://security.panasonic.com

http://www.facebook.com/PanasonicNetworkCamera Printed in Japan (2A-084DA)

DISTRIBUTED BY: