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 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: 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

Standard Accessories

Installation Guide	Fixing screws (M4 x 8 mm) 5 pcs. (of them, 1 for spare) Base cover 1 pc. Mount bracket 1 pc. Bit for tamperproof screw 1 pc. Waterproof tape 1 pc. The CD-ROM contains the operating instructions and different kinds of tool software programs. This label may be required for network management. The network administrator shall retain the code label.

Optional Accessories

Embedded
Ceiling Mount Bracket
WV-Q169



Smoke Dome Cover

WV-CW4S



^{*1} Compared with WV-NP502. Reduction effect may vary depending on object and image quality setting

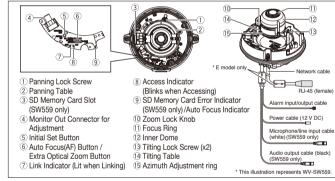
Specifications

Camera	Image S	encor	NTSC PAL
	Effective		1/3 type MOS Sensor
			Approx. 3.1 megapixel Progressive scan
	Scanning Mode Scanning Area Minimum Illumination White Balance		4.51 mm (H) x 3.38 mm (V) {3/16 inches (H) x 1/8 inches (V)}
			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)) *
			AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K
		ntrol Mode	Outdoor scene: Automatic integration of ALC and ELC
	Ligitio	mad mode	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 1/100 s)
	Shutter Speed		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 Off
	Super D	vnomio	ON / OFF
	Super Dynamic Dynamic Range Face Super Dynamic Adaptive Black Stretch AGC Electronic Sensitivity UP		52 dB typ. (Super Dynamic: ON, Light Control Mode: indoor)
			ON / OFF (Only at Super Dynamic: ON)
			ON / OFF (Only at Super Dynamic: OFF)
			ON (LOW, MID, HIGH) / OFF
	Day & Ni	ignt	WV-SW559: IR
	1		Mode: AUTO1 / AUTO2 / ON / OFF, Level: High / Low, with external control
	1		WV-SW558: Electrical
	D		Mode: OFF / AUTO
		loise Reduction	High / Low
		otion Detection	4 areas, Sensitivity: 15 steps, Detection size: 10 steps
	Privacy 2		Up to 2 zones, Gray
	Upside [Jown	ON / OFF
	VIQS		Up to 2 zones
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks)
		djustment	ABF/MANUAL
		ortion 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		
	Focusing Range		0.3 m ~ ∞
Adjusting A	ng Angle		Horizontal: 180 ° (clockwise), 160 ° (counterclockwise),
			Vertical: ±75 °, Image tilt adjustment range: ±100 °
Browser	Cropping	g	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 I	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,
			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® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3
	Network	IF	10Base-T / 100Base-TX, RJ-45 connector
Network	Image		
Network		Image Capture Mode:	H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180. up to 30 fps
Network			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		2 mega pixel [16:9]	
Network		2 mega pixel [16:9] Image Capture Mode:	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		2 mega pixel [16:9] Image Capture Mode: 1.3 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
Network		2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode:	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		2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3]	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) / OVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / OVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / OVGA(320 x 240), up to 30 fps
Network		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:	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 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	Resolution	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]	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 H.264: 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 H.264: 1,280 x 960, up to 15 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps
Network		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	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 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
Network	Resolution	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	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 JPEG (MJPEG): 2,280 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 / 7.7.5 / 12 / 10 / 15 / 20 / 30 fps
Network	Resolution	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	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 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 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 /
Network	Resolution	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	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 H.264: 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 H.264: 1,280 x 960, up to 15 fps JPEG (MJPEG): 2,204 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps 4 / 1280 Z 565 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps
Network	Resolution	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 Image Quality	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 H.264: 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 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	Resolution	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	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 , 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 LOW / NORMAL / LOW / NORMAL / LO
Network	Resolution H.264 *5	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 Image Quality Refresh Interval Transmission Type	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 H.264: 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 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 4 / 1280 x 260 / 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 Q.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s UNICAST / MULTICAST
Network	Resolution	2 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	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 / 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 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 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 Q.2 / 0,25 / 0,33 / 0.5 / 1 / 2 / 3 / 4 / 5 s UNICAST / MULTICAST 10 steps
Network	Resolution H.264 *5	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 Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	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 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 LOW / NORMAL / FINE LOW / NORMAL / FINE D.2 / 0,25 / 0,33 / 0.5 / 1 / 2 / 3 / 4 / 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps
Network	H.264 *5	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: 1.3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Type Transmission Type Transmission Type Transmission Type Transmission Type	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 H.264: 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 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 64 / 1280 / 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	H.264 *5 JPEG Audio Compre	2 mega pixel [16:3] 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 Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Ouality Refresh Interval Transmission Type Image Ovality Refresh Interval Transmission Type Image Ovality Image Ovality	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 64 / 128 / 256 / 384 / 512 / 786 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE Q.2 / 0,25 / 0,33 / 0,5 / 1 / 2 / 3 / 4 / 5 s UNICAST / MULTICAST 10 steps Q.1 fps ~ 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps
Network	H.264 *5 JPEG Audio Compre	2 mega pixel (16:9) Image Capture Mode: 1.3 mega pixel (16:9) Image Capture Mode: 1.3 mega pixel (4:3) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type State (19:4) Refresh Interval Transmission Type Refresh	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 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 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 (DW) / NORMAL / FINE (DW) / NORMAL / NOR
Network	H.264 *5 JPEG Audio Compre Audio Mode Authentication fin	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: 1.3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Sission Topy at WI-SWS59 or Audo "Only at WI-SWS59 or Audo "Only at WI-SWS59	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 H.264: 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 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 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 US / 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
Network	H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit	2 mega pixel [16:3] 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 Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Wality Refresh Interval Transmission Type WW-SW559 Only at WW-SW559 Only at WW-SW559 Auto 'Only at WSW559 Rate	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 / 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 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 / 786 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE Q.2 / Q.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 S UNICAST / MULTICAST 10 steps Q.1 fps ~ 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps GF / Mic Line) input / Audio output / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 786 / 1,024 / 2,048 / 3,096 / 8,192 kbps / Unlimitet
Network	H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit	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: 1.3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Sission Topy at WI-SWS59 or Audo "Only at WI-SWS59 or Audo "Only at WI-SWS59	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) / OVGA(320 x 240), up to 30 fps H.264: 1,280 x 960 / VGA(640 x 480) / OVGA(320 x 240), up to 30 fps JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / OVGA(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 OLY / NORMAL / NORM
Network	H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit	2 mega pixel [16:3] 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 Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Wality Refresh Interval Transmission Type WW-SW559 Only at WW-SW559 Only at WW-SW559 Auto 'Only at WSW559 Rate	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 H.264: 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 H.264: 1,280 x 960. up to 15 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 Q.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 OFT / 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 / 9,096 / 8,192 kbps / Unlimitee (Hesi Ctyle) (DMP) / HTTP, HTTPS, RTSP, RTP, RTPRTCP,FTP, SMTP, DNCP, DNS, DNS, DNS, DNC, DNCP, DNS, DNS, DNS, DNC, DNCP, DNS, DND, DNCP, DNCP, DNS, DNS, DNS, DNCP, DNCP, DNS, DNS, DNS, DNCP, DNCP, DNS, DNS, DNS, CTPP, DNCP, DNS, DNS, DNS, DNCP, DNCP, DNS, DNS, DNS, DNS, DNCP, DNCP, DNS, DNS, DNS, DNCP, DNCP, DNS, DNS, DNS, CTP, PL, DNCP, DNS, DNS, DNS, DNS, CTP, PL, DNCP, DNS, DNS, DNS, DNS, DNS, DNS, DNS, DNS
Network	JPEG Audio Compre Audio Mode Authenication i Total Bit Supporte	2 mega pixel (16:3) 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) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Wality Refresh Interval Transmission Type Wi-WSW599 "Only at WV-SW599 or Auto "Only at WV-SW599 or Auto "Only at WV-SW599 Refate ed Protocol	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 / 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, up to 15 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 Q.2 / 0,25 / 0,33 / 0,5 / 1 / 2 / 3 / 4 / 5 S UNICAST / MULTICAST 10 steps Q.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 / 0,96 / 8,192 kbps / Unlimitec Hex 10 fpr. Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 0,96 / 8,192 kbps / Unlimitec Hex 10 fpr. Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 0,96 / 8,192 kbps / Unlimitec Hex 10 fpr. Level 1 only / Level 1 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 0,96 / 8,192 kbps / Unlimitec Hex 10 fpr. Level 1 only / Level 1 fpr. 1769 / 1,024 / 2,048 / 0,96 / 8,192 kbps / Unlimitec Hex 10 fpr. Level 1 only / Level 2 higher / All users 7 kmP, DHCP, DNS, DNS, NP, SMMP, UPP, DMP, LPP, HTP, HTPS, RTP, FTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, R
Network	H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit	2 mega pixel (16:3) 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) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Wality Refresh Interval Transmission Type Wi-WSW599 "Only at WV-SW599 or Auto "Only at WV-SW599 or Auto "Only at WV-SW599 Refate ed Protocol	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 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 COW/ 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 0.3 fps / 10,240 / 12,284 / 4,096 / 8, 192 / 10,240 / 12 / 10,140 / 12,140 /
Network	JPEG Audio Compre Audio Mode Authentication fr Total Bit Supporte	2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [6:9] Image Capture Mode: 1.3 mega pixel [6:9] Image Capture Mode: 1.3 mega pixel [6:0] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Sission "Only at WI-SW559 or Audo "Only at WI-SW559 Rate ed Protocol	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 H.264: 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 H.264: 1,280 x 960, up to 15 fps JPEG (MJPEG): 2,040 x 1,536, up to 15 fps JPEG (MJPEG): 2,040 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 10W / 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 (Ling 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 / 3,096 / 8,192 kbps / Unlimited (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,046 / 3,096 / 8,192 kbps / Unlimited (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,046 / 3,096 / 8,192 kbps / Unlimited (Half duplex) / Interactive (Full duplex / Interactive (Full dupl
Network	H.264 *5 JPEG Audio Compre Audio Mode Authentication Mode Supporte FTP Clie No. of Sir	2 mega pixel [16:3] 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] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Wality Refresh Interval Transmission Type Image Capture Mode: Image Cap	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 H.264: 1,280 x 960, up to 15 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 COMORMAL / FINE QUARTH / FINE COMERT / MULTICAST / MUL
Network	JPEG Audio Compre Audio Mode Authentication in Total Bit Support FTP Clie No. of Sir SDXC/S	2 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Capture Mode	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 JPEG (MJPEG): 2,048 x 1,536, up to 15 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Gonstant bitrate / Framerate priority / Best effort 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps 4 / 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 D.2 / 0,25 / 0,33 / 0.5 / 1 / 2 / 3 / 4 / 5 s UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 0.5 / 10 / 10 / 10 / 10 / 10 / 10 / 10 / 1
Network	JPEG Audio Compre Audio Mode Authentication frotal Bitt Supporte FTP Clie No. of Sir SDXC/S Memory	2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Refresh Interval Transmission Type Image Rate Bit Rate/Cilent Image Wallity Refresh Interval Transmission Type Sesion 'Ohj at WW-SW59 To'nly at WW-SW59 To Audo 'Ony at W-SW59 To Audo 'Ony at	JPEG (MJPEG): 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps Hz.64: 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 Hz.64: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps Hz.64: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fps Hz.64: 1,280 x 960 , up to 15 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 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 64 / 128 / 256 / 333 / 0.5 / 1 / 2 / 3 / 4 / 5 s 10 steps 60 / 10 steps 60 / 10 / 10 / 10 / 10 / 10 / 10 / 10 /
Network	JPEG Audio Compre Audio Mode Authentication frotal Bitt Supporte FTP Clie No. of Sir SDXC/S Memory	2 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Capture Mode	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 JPEG (MJPEG): 2,048 x 1,536, up to 15 fps JPEG (MJPE

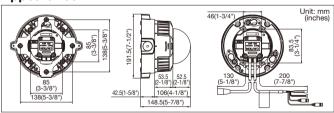
TV System		NTSC	PAL	
Network	Mobile Terminal Compatibility's	iPad, iPhone, iPod touch (iOS 4.2.1	or later), Android™ mobile terminals	
Alarm	Alarm Source	WV-SW559		
		3 terminals input, VMD, Command alarm		
		WV-SW558		
		1 terminal input, VMD, Command alarm		
	Alarm Actions	SDXC/SDHC/SD memory recording*, E-mail notification, Indication 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-SW5		
	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 jac		
	*Only at WV-SW559 (monaural input) (Applicable microphone			
		Supply voltage: 2.5 V ±0.5 V Input impedance: approx. 2 ø3.5 mm stereo mini jack (monaural output) Line level		
	Audio Output			
	Only at WV-SW559		aurai output) Lirie ievei	
	External I/O Terminals	WV-SW559 ALARM IN 1/DAY/NIGHT IN, ALARM IN 2/ALARM OUT, ALARM IN 3/AUX OUT WV-SW558		
		ALARM IN, ALARM OUT, AUX OUT		
General	Safety/EMC Standard	UL (UL60950-1), FCC (Part15 ClassA),		
		C-UL (CAN/CSA C22.2 No.60950-1),	(EN55022 ClassB, EN55024)	
		DOC (ICES003 ClassA)		
	Power Source and	WV-SW559		
	Power Consumption 12V DC: 850 mA *, PoE (IEEE802.3af compliant) / P		pliant) / 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			
	Ambient Operating Humidity			
	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)		
	L. ,	{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,		
		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



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- Important
 Safety Precaution: Carefully read the operating instructions and installation manual before using this product.
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 - - All TV pictures are simulated.
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