

Super Dynamic Full HD Dome Network Camera

WV-SF539 WV-SF538



Full HD / 1,920 x1,080 H.264 Network Camera featuring Super Dynamic

Key Features

- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and 2 areas VIQS (Variable Image Quality on Specified area) function can decrease maximum 50%" 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.
- Picture in picture function: A cropping image or an alarm image can be added to an image and transmitted.
- 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-SF539)
- High sensitivity with Day & Night (Electrical) function:0.5 lx (Color),
 0.3 lx (B/W) at F1.3 (WV-SF538)
- 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-SF539)
- 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) /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.
 - 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-SF539), 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-SF539)
- 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-SF539)
- 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 / İtalian / 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
- 2.8 ~ 10.0 mm, 3.6x Varifocal Auto Iris Lens
- Fog compensation
- *1 Compared with WV-NP502. Reduction effect may vary depending on object and image quality setting conditions.

Standard Accessories

Optional Accessories

(Sail white)
WV-Q174

Embedded Ceilina

Mount Bracket

Embedded Ceiling Mount Bracket (AV-light gray)

WV-Q168



* Different from the

Smoke Dome Cover



Ceiling Mount Bracket
WV-Q105



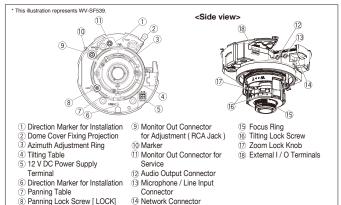
Specifications

TV System	fication		NTSC PAL	
Camera	Image Se	ensor	1/3 type MOS Sensor	
Jamera			Approx. 3.1 megapixel	
	Effective Pixels			
	Scanning Mode		Progressive scan	
	Scanning Area Minimum Illumination		4.51 mm (H) x 3.38 mm (V) {3/16 inches (H) x 1/8 inches (V)} WV-SF539:	
			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-SF538:	
			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 Shutter Speed Super Dynamic		Outdoor scene: Automatic integration of ALC Indoor scene [50 Hz]: Automatic integration of ALC (up to 1/100 s Indoor scene [60 Hz]: Automatic integration of ALC (up to 1/120 s 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 O	
			ON / OFF	
	Dynamic Range		52 dB typ. (Super Dynamic: ON)	
	Face Super Dynamic		ON / OFF (Only at Super Dynamic: ON)	
	Adaptive Black Stretch		ON / OFF (Only at Super Dynamic: OFF)	
	AGC Electronic Sensitivity UP Day & Night		ON (LOW, MID, HIGH) / OFF OFF / AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s) WV-SF539: IR	
			Mode: AUTO1 / AUTO2 / ON / OFF, Level:High / Low, with external contr WV-SF538: Electrical Mode: OFF / AUTO	
	Digital Noise Reduction		High / Low	
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 steps	
	Privacy Zone		Up to 2 zones, Gray	
	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) ~ 80.6 °(WIDE) V: 13.50°(TELE) ~ 47.57°(WIDE	
	Maximum Aperture Ratio			
	Focusing Range		0.3 m ~ ∞	
Adjusting Angle			Horizontal: 180 ° (clockwise), 170 ° (counterclockwise),	
			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		0 1 1	Up to 4 image capture areas can be specified	
	Camera Control		Brightness, AUX ON / OFF, Zoom (1x, 2x 4x)	
	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad	
	D: 11 1 7		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 (Manua	
	Alarm Control		Reset A still picture will be displayed on a newly opened window.	
	One Shot Capture Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High	
	00.14		Audio Output: ON / OFF Volume adjustment: Low / Middle / High (Only at WV-SF539)	
	SD Memory Data Download			
	GUI/Setup Menu Language		English, Japanese, Italian, French, German, Spanish, Chinese, Russiar	
	System Log		Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory	
	Supported OS *3 *4		when the recording format is set to JPEG.) error logs (Only at WV-SF539)	
	Support	nd OS *3 *4	Microsoft® Windows® 8 Microsoft® Windows® 7 Microsoft® Windows Visto® Microsoft® Mindows Visto® Microsoft® Windows® VD OF	
		ed OS *3 *4 ed Browser	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit)	
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Network	Supporte	ed Browser	Windows® Internet Explorer® 10.0 (32 bit), 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 10Base-T/100Base-TX, RJ-45 connector	
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Network	Network Image Resolution H.264 *5	IF Image Capture Mode: 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: 1.3 mega pixel [4:3] Image Capture Mode: 1.3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Image Quality Transmission Type	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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 fp JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / VGA(320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / VGA(320 x 240), up to 30 fp 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 / Advanced VBR 1/3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps 4 / 128 / 256 / 384 / 51 / 12 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE LOY / NORMAL / FINE LOY / MULTICAST	
Network	Network Image Resolution	IF 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] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 1 mage Quality Refresh Interval 1 mage Quality Image Quality Image Quality	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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 / 320 X 180, up to 30 fps JPEG (MJPEG): 1,280 X 960 / VGA(640 X 480) / QVGA(320 X 240), up to 30 fp 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 / Advanced VBR 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	Network Image Resolution H.264 *5	IF Image Capture Mode: 2 mega pixel [16:9] 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/Cilent Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps H.264: 1,920 x 120 / 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 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240), up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240), up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240], up to 30 fp H.264: 1,280 x 960 / VGA[640 x 480 / OVGA[320 x	
Network	Network Image Resolution H.264 **5	IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 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: 1.3 mega pixel [4:3] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: Image Mode: Image Cuality Image Quality Image Quality Image Quality Image Imag	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 H.264: 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 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / OVGA(320 × 240), up to 30 fp JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / OVGA(320 × 240), up to 30 fp JPEG (MJPEG): 2,048 × 1,536, up to 15 fps JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1/3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1/3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps 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	Network Image Resolution H.264 *5 JPEG Audio Compre	IF 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] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 1 mage Capture M	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) Microsof® Internet Explorer® 6.0 SP3 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 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 fp 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 / Advanced VBR 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	
Network	Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode	IF Image Capture Mode: 2 mega pixel [16:9] 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 Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Transmi	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 6.0 SP3 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 960 / VGA[640 x 480 / OVGA[320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA[640 x 480 / OVGA[320 x 240), up to 30 fp 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 / Advanced VBR 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 1 / 0,240 / 12,288 / 14,336 kbps 1 / 0 x 10 x 10 x 10 x 10 x 10 x 10 x 1	
Network	Network Image Resolution H.264 *5 JPEG Audio Compre	IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 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: 1.3 mega pixel [4:3] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: Image Quality Image	Windows® Internet Explorer® 1.0. (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Microsot® Internet Explorer® 6.0 SP3 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 960 / VGA(640 x 480) / OVGA(320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / OVGA(320 x 240), up to 30 fp JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 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 (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)	
Network	Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit I	IF 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: 1.3 mega pixel [4:3] 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: 1 mega Pixel [4:3] Image Quality Refresh Interval Image Quality Refresh Interval Image Quality Refresh Interval Image Substitution (2) Image Capture Mode: Image C	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 3.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Mincrosoft® Internet Explorer® 6.0 SP3 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) / OVGA(320 X 240), up to 30 fp H.264: 1,280 X 960 / VGA(640 X 480) / OVGA(320 X 240), up to 30 fp JPEG (MJPEG): 2,280 X 960 / VGA(640 X 480) / OVGA(320 X 240), up to 30 fp 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 / Advanced VBR 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 Line input / Levile 2 higher / All users 84 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 8,192 kbps / Unlimite	
Network	Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit I	IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 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: 1.3 mega pixel [4:3] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: Image Quality Image	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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): 1,920 × 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 / OVGA[320 × 240), up to 30 fp H.264: 1,280 × 960 / VGA[640 × 480 / OVGA[320 × 240), up to 30 fp 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 / Advanced VBR 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 OFT / Mic (Line) input / Audio output / Interactive (Full duplex) / Interactive (Full dupl	
Network	Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit I	IF 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: 1.3 mega pixel [4:3] 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: 1 mega Pixel [4:3] Image Quality Refresh Interval Image Quality Refresh Interval Image Quality Refresh Interval Image Substitution (2) Image Capture Mode: Image C	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 3.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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 fp H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp 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 / Advanced VBF 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBF 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBF 1 / 3 / 5 / 364 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE C.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s UNICAST / MULTICAST 10 steps O.1 fps ~ 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps CF/ Mic (Line) inut / Audio output / Interactive (Half duplex) / Interactive (Full duplex) / Interac	
Network	Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication Total Bit Supporte	IF 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: 1.3 mega pixel [4:3] 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: 4 mega Mode: 4 mega Mode: 4 mega Mode: 5 mega Mode:	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 3.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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 / 320 X 180, up to 30 fps H.264: 1,280 X 960 / VGA(640 X 480) / OVGA(320 X 240), up to 30 fp JPEG (MJPEG): 2,280 X 960 / VGA(640 X 480) / OVGA(320 X 240), up to 30 fp 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 / Advanced VBR 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 Line) input / Avdio output / Interactive (Half duples Line) input / Avdio output / Interactive (Half duples Line) input / Avdio output / Interactive (Half duples Line) input / Brite / RIP, ENRP, DNS, NIP, SNMP, DHCPs, GIONP, NIP, SNMP, DHCPs, GIONP, NIP, SNMP, DHCPs, GIONP, NIP, SNMP, DHCPs, GIONP, NIP, SNMP, UPP, BNMP, DMP, BNMP, DNS, NIP, SNMP, DHCPs, SND, NIP, SNMP, UPP, BNMP, DNP, SNMP, SNMP, SNMP, DHCPs, SND, NIP, SNMP, DHCP, DNS, DNS, NIP, SNMP, UPP, BNMP, DNP, SNMP, SNMP, SNMP, DHCPs, SND, NIP, SNMP, DHCP, DNS, DNS, NIP, SNMP, UPP, BNMP, DNP, SNMP, SN	
Network	Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication fi Total Bit I	IF 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: 1.3 mega pixel [4:3] 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: 4 mega Mode: 4 mega Mode: 4 mega Mode: 5 mega Mode:	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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): 1,920 × 1,080 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 20 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 20 / 640 × 360 / 320 × 180, up to 30 fps JPEG (MJPEG): 1,280 × 960 / VGA[640 × 480 / OVGA[320 × 240), up to 30 fp H.264: 1,280 × 960 / VGA[640 × 480 / OVGA[320 × 240), up to 30 fp JPEG (MJPEG): 1,280 × 960 / VGA[640 × 480 / OVGA[320 × 240), up to 30 fp 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 / Advanced VBR 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 OFT / Mic (Line) input / Audio output / Interactive (Fall duplex) / Interactive (Full duplex) / Interac	
Network	Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication is Total Bit Supporte	IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 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: Image Quality Refresh Interval ITransmission Type Image Capture Mode: Image Capture Mode: Interval Image Capture Mode: Image Capture Mode: Interval Image Capture Mode: Image Capture Mode: Interval Image Capture Mode: Image Capture Mode	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 3.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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 fp H.264: 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp JPEG (MJPEG): 2,048 x 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort / Advanced VBF 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBF 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBF 1 / 3 / 5 / 364 / 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 G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 31 kbps / 16 kbps, G.711 64 kbps Hevit (Dine) input / Audio output / Interactive (Full duplex) / Interactive (Full d	
Network	Network Image Resolution H.264 **5 JPEG Audio Compre Audio Mode Authentication in Total Bit Supporte FTP Cliei No. of Sin	IF Image Capture Mode: 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: 1.3 mega pixel [4:3] Image Quality Image Quality Image Quality Refresh Interval ITransmission Type Image Quality Refresh Interval Interval Image Quality Refresh Interval ITransmission Type Image Quality Refresh Interval Image	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 3.0 (32 bit), Windows® Internet Explorer® 3.0 (32 bit), Windows® Internet Explorer® 6.0 SP3 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 / 320 X 180, up to 30 fps H.264: 1,280 X 960 / VGA(640 X 480) / QVGA(320 X 240), up to 30 fp JPEG (MJPEG): 2,280 X 960 / VGA(840 X 480) / QVGA(320 X 240), up to 30 fp 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 / Advanced VBR 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 GFF / Mic Line) input / Levid 2 buttle / Framerate (Half duples) Levid (Line) input / Levid 2 buttle / Framerate (Half duples) Levid (Line) input / Levid 2 buttle / Framerate / RPP, DNS, NTP, SNMP, DHCP6, CMP, ARP NPL SNMP, UDP/P, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCP6, CMP, ARP Alami mage transmission, FTP periodic transmission (When the FTP transmission is falec backup on an optional SDXC(SDHC/SD memory card is available. ") 'Yonly at W-SF539 Up to 14 Users (Depends on network conditions)	
Network	Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication in Total Bit Supporte FTP Clie No. of Sin SDXC/Si	IF Image Capture Mode: 2 mega pixel [16:9] 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] Image Capture Mode: 3 mega pixel [4:3] Iransmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Williams Type Image Mullission Type Image Mulli	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 6.0 SP3 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): 1,920 × 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 / 320 × 180, up to 30 fp H.264: 1,280 × 960 / VGA(640 × 480) / OVGA(320 × 240), up to 30 fp JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / OVGA(320 × 240), up to 30 fp 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 / Advanced VBR 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 OFT / Mic (Line) input / Audio output / Interactive (Fall duplex) / Interactive (Full duplex) / Interactive (
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Network	Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentication in Total Bit Supporte FTP Clie No. of Sin SDXC/SI Memory	IF Image Capture Mode: 2 mega pixel [16:9] 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] Image Capture Mode: 3 mega pixel [4:3] Iransmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Williams Type Image Mullission Type Image Mulli	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 3.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 6.0 SP3 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): 1,920 × 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) / VGA(320 × 240), up to 30 fp JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / VGA(320 × 240), up to 30 fp JPEG (MJPEG): 1,280 × 960 / VGA(640 × 480) / VGA(320 × 240), up to 30 fp JPEG (MJPEG): 2,048 × 1,536, up to 15 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 12 / 10 / 15 / 20 / 30 fps 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 (Fall duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,046 / 4,096 / 8,192 kbps / Unlimite IPw: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPk, DKN PAR IPw: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPk, DKN PAR IPw: TCPIP, UDPIP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPk, DKN PAR IPw: TCPIP, UDPIP, HTTP, HTTPS, RTP, STP, SMTP, DNS, NTP, SNMP, DHCPk, DKN PDNS NTP, SMMP, UPPP, ISMP(DMP, APR) As minage transmission, FTP periodic transmission (When the FTP transmission is falce backup on an optional SDKCSDHC/SD memory card is available. 1 'Only at W-5F339	

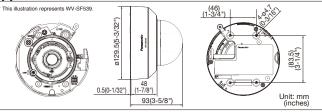
TV System		NTSC	PAL	
Network	Mobile Terminal Compatibility's	iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android™ mobile terminals		
Alarm	Alarm Source	WV-SF539		
		3 terminals input, VMD, Command alarm		
		WV-SF538		
		1 terminal input, VMD, Command alarm		
	Alarm Actions	SDXC/SDHC/SD memory recording*, E-mail notification, Indication on		
		browser, FTP image transfer, Panasonic protocol output *Only at WV-SF539		
	Alarm Log	With SDXC/SDHC/SD memory card*: 5,000 logs,		
		without SDXC/SDHC/SD memory card: 1000 logs *Only at WV-SF539		
	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)		PAL composite, RCA Jack	
	Microphone/Line Input	MIC IN and Line IN are selectable. ø3.5 mm stereo mini jack		
	*Only at WV-SF539	(monaural input) (Applicable microphone: Plug-in power type)		
		Supply voltage: 2.5 V ±0.5 V Input impedance: approx. 2 kΩ		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
	*Only at WV-SF539			
	External I/O Terminals	WV-SF539		
		ALARM IN 1/DAY/NIGHT IN, ALARM IN 2/ALARM OUT, ALARM IN 3/AUX OUT		
		WV-SF538		
	 	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-SF539		
	Power Consumption	12V DC: 530 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 120 mA (Class 2 device)		
		WV-SF538		
		12V DC: 510 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 115 mA (Class 2 device)		
		* FOR UL LISTED MODEL(S), ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY.		
		-10 °C ~ +50 °C (14 °F ~ 122 °F)		
	Ambient Operating Humidity	Less than 90 % (no condensation)		
	Dimensions			
	Mass (approx.)	450 g (0.99 lbs)		
	Finish	Main body: ABS resin, sail white		
		Dome section: Clear acrylic res	n	

- *1 Converted value
- *1 Converted value
 *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 / Windows® 8" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.
 *4 When using IPv6 for communication, use Microsoft® Windows® 8 or 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://security.panasonic.com/pss/security/support/info.html).

Part Names and Functions



Appearance



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