

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
- · Face detection function detects the position of human face and the
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.

- information is sent by video stream.
- 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 / 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
- 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

- Installation Guide 1 pc.
- CD-ROM^{*1}
- Code Label*2
- The followings are for installation.

Optional Accessories



• Installation Template Label .

*1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs.

*2 This label may be required for network management. The network administrator shall retain the code label.

... 2 pcs. (incl. 1 spare)

· Cable Tie ..

Specifications

DISTRIBUTED BY:

Camera	m		1/3 type MOS Sensor	
	Image Sensor			
	Effective Pixels		Approx. 3.1 megapixel	
	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-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))	
	With Delega		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		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	
	Shutter Speed		Fix shutter: 1/30, 3/100, 3/120, 2/100, 2/120, 1/100, 1/120,	
	Shutter Speed			
			1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 (only at Super Dynamic Of	
	Super Dynamic		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 control	
			WV-SF538: Electrical	
			Mode: OFF / AUTO	
	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 Disto	rtion Conpensation	256 steps	
Lens	Focal Le	ngth	2.8 mm - 10 mm, 3.6x (8.4 mm - 30 mm 10.8x with Extra optical zoom (at 360P)	
		Field of View ²	H: 24.2 °(TELE) ~ 80.6 °(WIDE)	
	Maximum Aperture Ratio		1 : 1.3 (WIDE) ~ 1 : 3.0 (TELE)	
			0.3 m ~ ∞	
A	Focusing Range			
Adjusting Angle			Horizontal: 180 ° (clockwise), 170 ° (counterclockwise),	
			Vertical: ±75 °, Image tilt adjustment range: ±100 °	
Browser	Cropping	3	H.264(2) / JPEG(VGA or 640 x 360) / JPEG(QVGA or 320 x 180	
GUI			Up to 4 image capture areas can be specified	
	Camera	Control	Brightness, AUX ON / OFF, Zoom (1x, 2x 4x)	
	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Qua	
	Display Wode		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	
	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	
	, tudio		Audio Output: ON / OFF Volume adjustment: Low / Middle / High (Only at WV-SF539)	
		n Data Daumlaad	Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. (Only at WV-SF538	
	SD Memo		our or motion images recorded in the opyro/op no/op memory card can be downoaded. (Only at way-or op	
	SD Memo		English Japanese Italian Example Cormon Chanish Chinese Bussie	
	GUI/Setup	Menu Language		
		Menu Language	English, Japanese, Italian, French, German, Spanish, Chinese, Russiar Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory	
	GUI/Setup System I	Menu Language Log	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539	
	GUI/Setup System I	Menu Language	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP:	
	GUI/Setup System I Supporte	Menu Language Log	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539	
	GUI/Setup System I Supporte	o Menu Language Log ed OS *3 *4	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft "Windows" 7, Microsoft "Windows Vista", Microsoft "Windows" A PS Windows" Internet Explorer" 9.0 (32 bil), Windows" Internet Explorer" 8.0 (32 bil)	
Network	GUI/Setup System I Supporte Supporte	o Menu Language Log ed OS *3 *4 ed Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft [®] Windows [®] 7, Microsoft [®] Windows Vista [®] , Microsoft [®] Windows [®] XP SP Windows [®] Internet Explorer [®] 0.032 bit), Windows [®] Internet Explorer [®] 8.0 (32 bit), Windows [®] Internet Explorer [®] 7.0 (32 bit), Microsoft [®] Internet Explorer [®] 6.0 SP	
Network	GUI/Setup System I Supporte Supporte	o Menu Language Log ed OS * ³ * ⁴ ed Browser IF	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF39 Microsoft [®] Windows [®] 7, Microsoft [®] Windows [®] NZ PSP Windows [®] Internet Explorer [®] 9.0 (32 bit), Windows [®] Internet Explorer [®] 8.0 (32 bit) Windows [®] Internet Explorer [®] 7.2 (32 bit), Microsoft [®] Internet Explorer [®] 6.0 SP 10Base-T / 100Base-TX, RJ-45 connector	
Network	GUI/Setup System I Supporte Supporte Network Image	o Menu Language Log ed OS * ³ * ⁴ ed Browser IF Image Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft" Windows '7. Microsoft" Windows '1451 Microsoft" Windows '2 NF Windows" Internet Explorer" 3.0 (32 bit), Windows" Internet Explorer" 8.0 (32 bit Windows" Internet Explorer" 7.0 (32 bit), Microsoft" Internet Explorer" 6.0 SP 10Base-T / 100Base-T X, BJ-45 connector H.264: 1,920 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps	
Network	GUI/Setup System I Supporte Supporte Network Image	Menu Language Log ed OS *3 *4 ed Browser IF Image Capture Mode: 2 mega pixel [16:9]	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error logs (Only at WN-SF33 Microsoft* Windows* 7, Microsoft* Windows Vista*, Microsoft* Windows* 2, 100 Windows* Internet Explorer* 9.0 (32 bit), Windows* Internet Explorer* 8.0 (32 bit) Windows* Internet Explorer* 7.0 (32 bit), Microsoft* Internet Explorer* 6.0 SP 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 fp	
Network	GUI/Setup System I Supporte Supporte Network Image	Menu Language Log ed OS *3 *4 ed Browser IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft Windows [®] Internet Explorer [®] 3.0 (32 bit) Windows [®] Internet Explorer [®] 3.0 (32 bit) Windows [®] Internet Explorer [®] 3.0 (32 bit) Microsoft [®] Micros	
Network	GUI/Setup System I Supporte Supporte Network Image	Menu Language Log ed OS *3 *4 ed Browser IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9]	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft" Windows '7. Microsoft" Windows '1481 Microsoft" Windows '1 Net Windows" Internet Explorer" 3.0 (32 bit), Windows" Internet Explorer" 8.0 (32 bit) Windows" Internet Explorer" 7.0 (32 bit), Microsoft" Internet Explorer" 6.0 SP 10Base-T / 100Base-T X, BJ-45 connector H.264: 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 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 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 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 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 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 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 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 720 / 640 x 360 / 320 x 180, up to 30 fp JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180 x p to 30 fp JPEG (MJPEG): 1,280 x 10 x p to 30 fp JPEG (MJPEG): 1,280 x 10 x p to 30 fp JPEG (MJPEG): 1,280 x 10 x p to 30 fp JPEG (MJPEG): 1,280 x 10 x p to 30 fp JP	
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Network	GUI/Setup System I Supporte Supporte Network Image	Menu Language Log ed OS *3 *4 ed Browser IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF339 Microsoft" Windows 'Exist". Microsoft" Windows 'Exist". Microsoft" Windows 'Exist". Microsoft" Windows 'Exist". Microsoft: "Mindows 'Exist". Microsoft: "Microsoft: "Mindows 'Exist". Microsoft: "Mindows 'Exis	
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Network	GUI/Setup System I Supporte Supporte Network Image	Menu Language Log ed OS * ³ * ⁴ d Browser IF Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [46:3] Image Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF539 Microsoft" Windows 7. Microsoft" Microsoft "Internet Explorer" 8.0 (32 bit), Windows 8" Internet Explorer" 7.0 (32 bit), Microsoft" Internet Explorer 6.0 SP 10Base-T / 100Base-T / 100Ba	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	A Menu Language Log ad OS *3 *4 ad Browser IF Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: 3.3 mega pixel [4:3]	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF339 Microsoft" Windows'? T. Microsoft" Windows "kits", Microsoft" Windows'? NEY Windows" Internet Explorer" 3.0 (32 bit), Windows" Internet Explorer" 8.0 (32 bit) Windows" Internet Explorer" 7.0 (32 bit), Microsoft" Internet Explorer" 6.0 SP. 10Base-T / 100Base-TX, RJ-45 connector H.264: 1,280 x 1,080 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,280 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 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 / 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): 1,280 x 960 / VGA(640 x 480) / DVGA(320 x 240), up to 30 fp JPEG (MJPEG): 1,280 x 15 fps	
Network	GUI/Setup System I Supporte Supporte Network Image	Denu Language Log ad OS *3 *4 d Browser IF Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3]	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error logs (Only at WV-SF539 Microsoft Windows ⁹ / Intersoft Windows ⁹ (Intersoft Windows ⁹ Internet Explorer ⁴ 30 (32 bit) Windows ⁹ Internet Explorer ⁴ 30 (32 bit) Windows ⁹ Internet Explorer ⁴ 30 (32 bit) Microsoft ⁴ Internet Explorer ⁴ 6.0 SP 10Base-T / 100Base-T / 100Base-T X, 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 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG (MJPEG): 1,920 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 H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 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 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 JPEG (MJPEG) : 2,048 x 1,536 , up to 15 fps JPEG MJPEG MJ	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	A Menu Language Log ad OS * ³ * ⁴ d Browser IF 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	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, Jerro logs (Only at WV-SF539 Microsoft" Windows" Internet Explorer" 8.0 (32 bit), Windows" Internet Explorer 6.0 SP. 10Base-T / 100Base-T / 100	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	A Menu Language Log ad OS * ³ * ⁴ d Browser IF 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	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF339 Microsoft" Windows 'Ista", Microsoft "Mindows 'Ista", Microsoft "Mindows 'Ista", Microsoft "Mindows 'Ista", Microsoft 'Internet Explorer" 8.0 (32 bit), Windows" Internet Explorer", 20 (32 bit), Windows 'Internet Explorer", 20 (32 bit), Microsoft", Internet Explorer, 'Ista", Microsoft 'Internet Explorer, 'Ista", Microsoft 'Internet Explorer, 'Ista", Microsoft, 'Internet Explorer, 'Ista", Microsoft, 'Internet Explorer, 'Ista,	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	Denu Language Log ad OS *3 *4 d Browser IF 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: 3 mega pixel [4:3] Transmission Mode Frame Rate Bit Rate/Client	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error logs (Only at WV-SF539 Microsoft Windows ⁹ / Microsoft Windows ⁹ Internet Explorer ⁹ 30 (32 bit) Microsoft ¹⁰ Internet Explorer ⁹ 60 (32 bit) Microsoft ¹⁰ Internet Explorer ¹⁰ (30 bit) Microsoft ¹⁰ Internet Microsoft ¹⁰	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	A Menu Language Log ad OS *3 *4 d Browser IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [16:9] Image Capture Mode: 3 mega pixel [4:3] Image Capture Mode: 4 mage Capture Mode: 5 mage Santo Mode Frame Rate Bit Rate/Client Image Quality	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft" Windows" 7, Microsoft" Windows" Microsoft" Windows" Internet Explorer" 8.0 (32 bit), Microsoft" Internet Explorer 6.0 SP 10Base-T / 100Base-T / 100Base	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	A Menu Language Log ad OS *3 *4 ad Browser IF 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: 1.3 mega pixel [4:3] Bit Rate/Client Image Qualitly Refresh Interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF339 Microsoft" Windows 'Ista" Microsoft" Windows 'Ista" Microsoft" Windows 'Ista" Microsoft" Windows 'Ista" Microsoft" Windows 'I harmet Explorer" 8.0 (32 bit), Windows" Internet Explorer" 7.0 (32 bit), Windows" Internet Explorer" 6.0 SP 10Base-T / 100Base-T / 100Base-	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	A Menu Language Log ad OS *3 *4 ad Browser IF 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 Refresh Interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs (Only at WV-SF539 Microsoft" Windows" 7, Microsoft" Windows" Microsoft" Windows" Internet Explorer" 8.0 (32 bit), Microsoft" Internet Explorer 6.0 SP 10Base-T / 100Base-T / 100Base	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	A Menu Language Log ad OS *3 *4 ad Browser IF 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 Refresh Interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF333 Microsoft Windows 'Istai Microsoft Windows 'N Exista Microsoft Windows 'N Exista Microsoft Windows 'N Exista Microsoft 'Internet Explorer" 8.0 (32 bit), Mindows [®] Internet Explorer" 7.0 (32 bit), Mindows [®] Internet Explorer" 6.0 SP 10Base-T / 100Base-T / 100Base-	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	Menu Language Log ad OS * ³ * ⁴ de Browser lF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [16:3] Image Capture Mode: 1 mage Captu	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, Jerror logs (Only at WV-SF333 Microsoft" Windows" Internet Explorer" 8.0 (32 bit), Microsoft" Windows" Internet Explorer" 8.0 (32 bit), Microsoft" Internet Explorer 6.0 SP 10Base-T / 100Base-T / 100Base	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution	Menu Language Log ad OS * ³ * ⁴ ad Browser IF 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 Refresh Interval Transmission Type Image Quality Refresh Interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF339 Microsoft" Windows? Internet Explorer" 8.0 (32 bit), Windows? Internet Explorer 6.0 SP 10Base-T / 100Base-T, N.B45 Connector H.264: 1,290 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 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 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 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	GUI/Setur System I Supporte Supporte Network Image Resolution H.264 *5	A Menu Language Log ad OS *3 *4 ad Browser IF 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] Iransmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, Jerror logs (Only at WV-SF339 Microsoft Windows [®] /n Kerosoft Windows [®] Internet Explorer [®] 30 (32 bit Windows [®] Internet Explorer [®] 60 SP 10Base-T / 100Base-TX, RJ-45 connector 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 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 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 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	GUI/Setup System I Supporte Supporte Network Image Resolution H.264 *5 JPEG	A Menu Language Log ad OS * ³ * ⁴ d Browser F mage Capture Mode: 2 mega pixel [16:9] mage Capture Mode: 1.3 mega pixel [16:3] mage Capture Mode: 3 mega pixel [16:3] mage Capture Mode: 3 mega pixel [16:3] mage Capture Mode: 3 mega pixel [16:3] mage Capture Mode: 1 mage Capt	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, Jerror logs (Only at WV-SF339 Microsoft" Windows" Internet Explorer" 30 (32 bit Microsoft" Windows" Internet Explorer" 30 (32 bit Microsoft" 100Base-T / 100Base-T	
Network	GUI/Setur System I Support Support Network Image Resolution H.264 *5 JPEG	A Menu Language Log ad OS *3 *4 d Browser IF 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: 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 sion "Only at WX-SF339 * Only at WX-SF339	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording formal is set to JPEG, error logs (Only at WV-SF339 Microsoft" Windows" Internet Explorer" 3.0 (32 bit), Windows" Internet Explorer 3.0 (32 bit), Windows 3.0 (32 b	
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Network	GUI/Setur System I Support Support Network Image Resolution H.264 *5 JPEG	A Menu Language Log ad OS *3 *4 ad Browser IF Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode: Image Capture Mo	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error loss (Only at WV-SF333 Microsoft" Windows "Internet Explorer" 3.0 (32 bit), Microsoft" Windows "Internet Explorer" 3.0 (32 bit), Microsoft" Internet Explorer " 3.0 (32 bit), Microsoft" Internet Explorer * 3.0 (32 bit), Microsoft" Internet * 3.0 (32 bit), Microsoft * 1.0 (3	
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Network	GUI/Setup System I Supporte Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentation Total Bit	A Menu Language Log ad OS * ³ * ⁴ ad Browser IF Image Capture Mode: 1.3 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 1 mage Capture Mode	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error logs (Only at WV-SF338 Microsoff "Windows" / Microsoff "Windows" A 1995 (Sol Windows" Internet Explorer" 3.0 (32 bit) Microsoff "Windows" Internet Explorer" 3.0 (32 bit) Microsoff "Windows" Internet Explorer" 3.0 (32 bit) Microsoff "Windows" Internet Explorer" 3.0 (32 bit) Microsoff "Internet Explorer" 3.0 (32 bit) Microsoff Microsof	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentation Total Bit Supporte	A Menu Language Log ad OS * ³ * ⁴ ad Browser IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 1 mage Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, Jerror logs (Only at WV-SF383 Microsoft" Windows" 7, Microsoft" Windows" Ntsa", Microsoft" Windows" Ntsas", Microsoft" Windows" Ntsas", Microsoft" Windows" Ntsas", Microsoft" Windows" Ntsas', Microsoft" Windows" Ntsas', Microsoft" Windows" Ntsas', Microsoft" Windows" Ntsasset (Nature 1 (1008ase-TX, RJ-45 connector) 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): 1,280 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 fp JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fp JPEG (MJPEG): 1,280 x 960, up to 15 fps Constant birate / 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 G1.1 fps ~ 30 fps PULL / PUSH G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, RT1 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, RT1 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G7.26 (ADPCM) MJCHCAST FV. DWH, HTTP, RTTP, RTP, RTP, RTP, RTP, RTP, RTP,	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentation Total Bit	A Menu Language Log ad OS * ³ * ⁴ ad Browser IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 1 mage Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF383 Microsoft" Windows ⁹ T, Microsoft ⁹ Unidows ⁹ Internet Explorer ⁹ 8.0 (32 bit), Windows ⁹ Internet Explorer ⁹ 8.0 (32 bit), Microsoft ⁹ Internet Explorer ⁹ 8.0 (32 bit), Microsoft ⁹ Internet Explorer ⁹ 8.0 (32 bit), Windows ⁹ 1.2 (32 bit), Windows ⁹ 1	
Network	GUI/Setup System I Supporte Supporte Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authentation Total Bit Supporte	A Menu Language Log ad OS * ³ * ⁴ ad Browser IF Image Capture Mode: 2 mega pixel [16:9] Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 3 mega pixel [14:3] Image Capture Mode: 1 mage Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error logs (Only at WV-SF383 Microsoft" Windows ⁹ T, Microsoft ⁹ Unidows ⁹ Internet Explorer ⁹ 8.0 (32 bit), Windows ⁹ Internet Explorer ⁹ 8.0 (32 bit), Microsoft ⁹ Internet Explorer ⁹ 8.0 (32 bit), Microsoft ⁹ Internet Explorer ⁹ 8.0 (32 bit), Windows ⁹ 1.2 (32 bit), Windows ⁹ 1	
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Network	GUI/Setur System I Support Support Network Image Resolution H.264 *5 JPEG Audio Mode Authentication Total Bit Support FTP Clie No. of Sir	Menu Language Log ad OS *3 *4 d Browser IF 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 Refresh Interval Transmission Type Sisti "Only at Wi-SF339 r Audo: Only at Wi-SF339 Rate ad Protocol nt multaneous Users: DHC/SD	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error logs (Only at WV-SF339 Microsoft Windows [®] / Nicrosoft Windows [®] Internet Explorer [®] 30 (32 bi Windows [®] Internet Explorer [®] 60 SP 10Base-T / 100Base-TX, RJ-45 connector H.264 : 1,920 x 1,980 / 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 fp H.264 : 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 JPEG (MJPEG): 2,048 x 1,536, up to 15 fps JPEG (MJPEG): 2,048 x 1,763 / 1,02 / 1,536 / 2,048 / 3,072 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE O.27 / 0.26 / 334 / 51 / 768 / 1,024 / 1,536 / 2,048 / 3,072 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW / NORMAL / FINE O.27 / 0.26 / 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 O.27 / 0.26 / 384 / 51 / 768 / 1,024 / 1,58 / 100 steps 0.11 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 duple Level 1 only / Level 2 higher / All users 64 / 128 / 266 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite (Fartopic DHP, HTT, HTTPS, RTP, RTP, RTP, RTP, NTP, DNP, DHCPG, DNX, DNNS, NTP, SMNP, UPP, IGMP, UPP, APP, APP, IGMP, IDP, APP, APP, IGMP, IGMP, APP, APP, IGMP, IGMP, APP, APP, I	
Network	GUI/Setur System I Supports Supports Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authenticator Total Bit Supports FTP Clie No. of Sir SDXC/Si Memory	Menu Language Log ded OS *3 *4 ded Browser IF Image Capture Mode: 1.3 mega pixel [16:3] Image Capture Mode: 1.3 mega pixel [14:3] Image Capture Mode: 1.3 mega pixel [4:3] Image Capture Mode:	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error logs (Only at WV-SF338 Microsoft "Windows" / Microsoft "Windows" A threnet Explorer" 5.0 (32 bit Microsoft "Windows" Internet Explorer" 5.0 (32 bit Microsoft "Windows" Internet Explorer" 5.0 (32 bit Microsoft "Windows" Internet Explorer" 5.0 (32 bit Microsoft" Undows" Internet Explorer 5.0 (32 bit Microsoft" Undows 5.0 (32 0 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 480) / QVGA(320 x 240), up to 30 fp H.264 : 1,280 x 960 / VGA(640 x 480) / QVGA(320 x 240), up to 30 fp H.264 : 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 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 GF / Mic (Line) input / Audio output / Interactive (Hall duplek) / Interactive (Full duple Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite PA: TO/P, DUMP, HTTP, HTTP, RTP, FTP, SMTP, DNS, MP, DHCP46, SLMP, AR Microsoft SMC/SDHCSD memory card is available. 1 Only MW-K58 JUP to 14 users (Depends on network conditions) I adae and optional SDXC/SDHCSD memory card is available. 1 Only I WW-K58 JUP to 14 us	
Network	GUI/Setur System I Supports Supports Network Image Resolution H.264 *5 JPEG Audio Compre Audio Mode Authenticator Total Bit Supports FTP Clie No. of Sir SDXC/Si Memory	Menu Language Log ad OS *3 *4 d Browser IF 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 Refresh Interval Transmission Type Sisti "Only at Wi-SF339 r Audo: Only at Wi-SF339 Rate ad Protocol nt multaneous Users: DHC/SD	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error logs (Only at WV-SF338 Microsoft "Windows" / Microsoft "Windows" Nterna Explorer" 3.0 (32 bit) Mindows" Internet Explorer 3.0 (32 bit) Mindows Internet Mindows Internet Explorer 3.0 (32 bit) Mindows Internet Mindow	

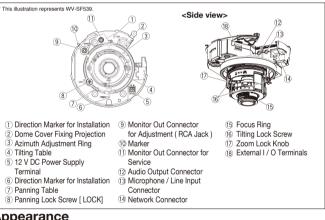
TV System		NTSC	PAL	
Network	Mobile Terminal Compatibility'6	iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android™ mobile terminals		
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	WV-SF539		
		3 terminals input, VMD, Command alarm		
		WV-SF538		
		1 terminal input, VMD, Command 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)	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-SF539	(monaural input) (Applicable microphone: Plug-in power type)		
	Supply voltage: 2.5 V ±0.5 V Input impedance: approx. 2		put 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		
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 12V DC: 530 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 120 mA (Class 2 device)		
	Power Consumption	WV-SE538		
		12V DC: 510 mA *, PoE (IEEE802.3af compliant) / PoE 48 V: 115 mA (Class 2 device		
	Ambient Operating Temperature	* FOR UL LISTED MODEL(S), ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY10 °C ~ +50 °C (14 °F ~ 122 °F)		
	Ambient Operating Temperature			
	Dimensions	ø129.5 mm x 93 mm (H) {ø5-1/8 inches x 3-11/16 inches (H)}		
	Mass (approx.)	450 g (0.99 lbs)		
	Finish	Main body: ABS resin, sail white		
	FILIST	Dome section: Clear acrylic resin		
	1	Dome section: Glear acrylic resin		

*1 Converted value

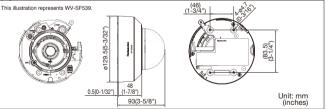
2 Converted Value 21 f*1.3 megapixel [4:3]* is selected for the imaging mode, the viewing angle will become narrower. *3 Refer to "Notes on Windows Vista" / Windows® 7" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 7 or Microsoft® Windows Vista".

Microsoft[®] Windows Vista[®]. ⁴ When using IPv6 for communication, use Microsoft[®] Windows[®] 7 or Microsoft[®] Windows Vista[®]. ⁴5 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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http://panasonic.net/security/

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