

Super Dynamic Full HD Vandal Resistant Dome Network Camera WV-SFV130 / WV-SFV130M Super Dynamic HD Vandal Resistant Dome Network Camera WV-SFV110 / WV-SFV110M



*i-VMD Type2 : Intruder Detection / Loitering Detection / Direction Detection / Scene Change Detection / Object Detection / Cross Line Detection

Full HD / 1,920 x 1,080 Compact Dome Network Camera (wv-sFv130 /wv-sFv130M) HD / 1,280 x 720 Compact Dome Network Camera (wv-sFv110 / wv-sFv110M) Key Features

- 1080p Full HD images up to 30 fps (WV-SFV130 / WV-SFV130M)
- 720p HD images up to 30 fps (WV-SFV110 / WV-SFV110M)
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording.
- Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 122 dB wider dynamic range compared to conventional cameras.
- Face Super Dynamic Range technology ensures clear face image.
- High sensitivity with Day/Night (Electrical) function : 0.1 lx (Color), 0.08 lx (B/W) at F2.3 (WV-SFV130 / WV-SFV130M)
- 0.04 Ix (Color), 0.03 Ix (B/W) at F2.3 (WV-SFV110 / WV-SFV110M)
 VIQS (Variable Image Quality on Specified area) technology allows the designated eight areas to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- Smart coding Technology : Group of Pictures (GOP) control function removes unnecessary information from the frame for realizing efficient encoding.
 Auto VIQS (Variable Image Quality on Specified area) function recognizes the no movement area in a video automatically and lowering the resolution of it to reduce the data size.
 With the latest bit rate reducing technology, GOP control,

Auto VIQS, 3D-MNR (Multi process Noise Reduction) and **FDF** (Frequency Divided Filter), the network bandwidth and the disk space of recorder can be saved.

- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Light control modes : ELC (maximum exposure time) : The lightning control will be automatically performed by adjusting shutter speed in the range of ELC.
- 2x, 4x digital zoom controlled by browser
- VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.
- Camera title display : Up to 20 alphanumeric characters on the browser
- Alarm sources including VMD and Panasonic alarm command can trigger actions such as FTP image transfer, E-mail notification, Indication on browser, and Panasonic alarm protocol output.
- 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)
- Face detection function detects the position of human face and the information is sent by XML or video stream. (Optional)
- Can be added new intelligent extension software (Optional) in addition to built-in VMD (Video Motion Detection), alarm function.
- Fog compensation function equipped as standard.
- HLC (High Light Compensation) technology reduces strong light sources such as vehicle headlights to prevent camera being blinded.
- 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 / Portuguese / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- ONVIF compliant model
- Low profile design for discrete installation
- Electronics equipment used on rolling stock
 EN50155-T3 (railroad standard) / EN50121, EN45545 compliant
 ECE-R10 (E approval), EN50498 compliant (WV-SFV130M/WV-SFV110M only)
- Wide coverage WV-SFV130 / WV-SFV130M [16 : 9 mode] Horizontal : 108 ° Vertical : 60 ° WV-SFV110 / WV-SFV110M [16 : 9 mode] Horizontal : 100 ° Vertical : 55 °
- The camera conforms to the IP66, Type 4X (UL50) is compliant with NEMA 4X ratings, and provides high dust resistance and waterproof performance.
- Vandal resistant mechanism for high reliability

Optional Accessory

Smoke Dome Cover



Specifications

	Image Sen		Approx. 1/3 type MOS image sensor
	Scanning Mode Scanning WV-SFV130		Progressive 5.28 mm (H) x 2.97 mm (V)
	Area		{7/32 inches (H) x 1/8 inches (V)}
			4.86 mm (H) x 3.65 mm (V)
		WV-SFV110M	
	Minimum	WV-SFV130	Color: 0.1 lx (F2.3, Maximum shutter : Off (1/30s), AGC : High)
	Illumination	WV-SFV130M	0.007 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High) BW: 0.08 lx (F2.3, Maximum shutter : Off (1/30s), AGC : High) 0.005 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High)
		WV-SFV110 WV-SFV110M	Color: 0.04 lx (F2.3, Maximum shutter : Off (1/30s), AGC : High) 0.003 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High) BW: 0.03 lx (F2.3, Maximum shutter : Off (1/30s), AGC : High)
	White Bala	nce	0.002 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High) AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000
	Light Control Mode Super Dynamic Dynamic range Face Super Dynamic Adaptive Black Stretch Back light compensation (HLC) Fog compensation (HLC)		ELC / Indoor scene 50 Hz / Indoor scene 60 Hz
			On (High) / On (Normal) / Off
			122 dB typ. (Super Dynamic : On)
			On/ Off (only when Super Dynamic : On)
			On / Off (only when Super Dynamic : Off)
			On/ Off (only when Super Dynamic : Off) On / Off (only when Super Dynamic/ Adaptive black stretch: Of
	AGC	iperisation (HLC)	On (High) / On (Mid) / On (Low) / Off
	Maximum shutter		max. 1/10,000 s, max. 1/4,000 s, max. 1/2,000 s, max. 1/1,000 s, max. 1/500 s, max. 1/4,000 s, max. 1/20 s, max. 1/100 s, max. 1/20 s, max. 2/100 s, max. 3/120 s, max. 3/100 s, max. 1/30 s, max. 2/30 s, max. 4/30 s, max. 6/30 s,
	Day/Night (Electrical)		max. 1/30 s, max. 2/30 s, max. 4/30 s, max. 0/30 s, Off / Auto
	Digital Noise Reduction		High / Low
	Video Motion Detection		On / Off, 4 areas available
	Privacy Zone		On / Off (up to 8 zones available)
	VIQS		On / Off (up to 8 zones available)
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks), On / O
ens.	Focal Length		2.8 mm {1/8 inches}
	Digital (electronic) zoom		Choose from 3 levels of x1, x2, x4
	Zoom ratio		x1 WV-SFV130 / WV-SFV130M :
			3x Extra zoom (2.0 mega pixel [16 : 9] mode)
			WV-SFV110 / WV-SFV110M : 2x Extra zoom
	Angular	WV-SFV130	
	Field of View	WV-SFV130M	
		WW-SEVIIU	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 °
		1404 000 144014	[4 · 0 ···· - d-] -··· - ··· + · · · 100 ° Montional · · 70 °
	Maria	WV-SFV110M	
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Browser	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GU/Setup Menu Lang System Lo Supported Supported	perture ratio ance ontrol ide le lay Zapture y load g OS [•] 2 [•] 3 Browser	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to 4-20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : +90° to -90° Vertical : -20 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H/24H/Off, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 7 Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 9 (32 bit) Windows® Internet Explorer® 8 (32 bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen
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Browser GUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot (SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Network IF WV-SFV130 Image	perture ratio ance ontrol ode le lay Dapture y load g OS '2 '3 Browser	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : -90 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 18/124/HOff, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 7 Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 3 (32 bit) Windows® Internet Explorer® 3 (32 bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) *2 mega pixel [16 : 9]
Browser GUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot (SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Network IF WV-SFV130 Image	perture ratio ance ontrol le lay Capture y load g OS '2 '3 Browser	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to 4-20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : +90 ° to -90° Vertical : -20 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H/24H/Off, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal). Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 7. Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 8 (32 bit) Windows® Internet Explorer® 8 (32 bit) Safari, Google Chromer, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, M12 connector (female) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 9
Adjusting Browser AUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Supported Network IF WV-SFV130 Image Resolution	perture ratio ance ontrol ode le lay Dapture y load g OS '2 '3 Browser	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to 4-20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : +90 ° to -90 ° Vertical : -20 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H/24H/Off, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 8 (32 bit) Windows® Internet Explorer® 8 (32 bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, RJ45 connector (female) * 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 9 * * 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 9 * * 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 9 * * 1,920 x 1,080 / 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120
Browser GUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Supported Network IF WV-SFV130 Image Resolution	perture ratio ance ontrol ode le lay Dapture y load g OS '2 '3 Browser	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : -90 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H24HOff, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 7. Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 8 (32 bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base=T / 100Base=TX, RJ45 connector (female) 10Base=T / 100Base=TX, RJ45 connector (female) 10Base=T / 100Base=TX, RJ45 connector (female) *2 mega pixel [16 : 9] 1,920 x 1,080 mode is only available for H.264(1), H.264(2 *3 mega pixel [4 : 3] 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 * "1,600 x 1,200 mode is only available for H.264(1), H.264(2 *3 mega pixel [4 : 3]
Browser GUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Supported Network IF WV-SFV130 Image Resolution	perture ratio ance ontrol ode le lay Dapture y load g OS '2 '3 Browser	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to 4-20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : +90° to -90° Vertical : -20 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H/24H/Off, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 7 Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 8 (32 bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, RJ45 connector (female) 1.920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 5 * "1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 5 * "1,920 x 1,080 / 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 * "1,600 x 1,200" mode is only available for H.264(1), H.264(* 3 mega pixel [4 : 3] 1,040 x 1,280 x 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120
Browser GUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Supported Network IF WV-SFV130 Image Resolution	perture ratio ance ontrol le lay Capture y load juage g OS '2 '3 Browser 0/WV-SFV110 //WV-SFV110 //WV-SFV130 WV-SFV130	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : +90° to -90° Vertical : -20 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H24HOft, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 7 Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 9 (32 bit) Sdarn', Google Chrome', Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, M12 connector (female) 10Base-T / 100Base-TX, M12 connector (female) *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *1.920 x 1,080' mode is only available for H.264(1), H.264(2 *2.048 x 1,536'''' H.280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 *1.900 x 120 *1.900 x 120
Browser GUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Supported Network IF WV-SFV130 Image Resolution	perture ratio ance ance ance ance ance ance ance ance	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20 ° to 4 · 20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : -90 ° to 0 ° (right beside) to +90 ° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H/24H/Off, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal). Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG,) error logs Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 10, Microsoft® Windows® 7. Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 9 (32 bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, RJ45 connector (female) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 9 * "1,600 x 1,200 / 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 * "1,600 x 1,200 mode is only available for H.264(1), H.264(2 * 3 mega pixel [4 : 3] 2,048 x 1,536 '4 / 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 * "2,048 x 1,536 '' 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 * "2,048 x 1,536 '' 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 * "2,048 x 1,536 '' 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 * "2,048 x 1,536 '' 1,280 x 960 / 800 x 600 / VGA / 400 x
Browser GUI	Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo Supported Supported Supported Network IF WV-SFV130 Image Resolution	perture ratio ance ontrol le lay Capture y load juage g OS '2 '3 Browser 0/WV-SFV110 //WV-SFV110 //WV-SFV130 WV-SFV130	1 : 2.3 0.5 m -∞ Installing on a ceiling Horizontal : -20° to +20° Vertical : -20° to 0° (right under) to +90° (right beside) Installing on a wall Horizontal : -90° to 0° (right beside) to +90° (right under) Brightness 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. Up to 20 alphanumeric characters Time : 12H/24H/0ft, Date : 5 formats on the browser, Summer time (Manu A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Chinese, Russian, Japanese Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs Microsoft® Windows® 10, Microsoft® Windows® 7. Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 12 (32 bit) Windows® Internet Explorer® 12 (32 bit) Stafari, Gogle Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) 10Base-T / 100Base-TX, M12 connector (female) 10Base-T / 100Base-TX, M12 connector (female) *2 mega pixel [16 : 9] 1,920 x 1,080' mode is only available for H.264(1), H.264(2 *3 mega pixel [4 : 3] 2,048 x 1,536 */ 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 **2,048 x 1,536 *mode is only available for H.264(1), H.264(2 *3 mega pixel [4 : 3] 2,048 x 1,536 *mode is only available for H.264(1), H.264(2 *2 mega pixel [4 : 3] 2,048 x 1,536 *mode is only available for H.264(1), H.264(2 *2 mega pixel [4 : 3] 2,048 x 1,536 *mode is only available for H.264(1), H.264(2 **2,048 x 1,536 *mode is only available for H.264(1), H.264(2 **2,048 x 1,536 *mode is only available for H.264(1), H.264(2 **2,048 x 1,536 *mode is only available for H.264(1), H.264(2 **2,048 x 1,536 *mode is only available for H.264(1), H.264(2 **2,048 x 1,536 *mode is only available for H.264(1), H.264

Network	1.		
Network		pression meth	
	H.264 *5		Constant bit rate / Variable bit rate / Frame rate /
		Mode	Best effort / Advanced VBR
		Frame Rate	1/3/5/7.5/10/12/15/20/30 fps
		Bit Rate per	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 /
		Client	4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 /
			20,480 / 24,576 / 30,720 / 40,960 kbps
			* The available range of the H.264 bit rate varies depending on
			the setting selected for "image capture size".
		Image Quality	
			Low / Normal / Fine
			<when bit="" is="" rate="" selected="" variable=""></when>
			0 Super fine /1 Fine /2 / 3 / 4 / 5 Normal / 6 / 7 / 8 / 9 Low
		Smart Coding mode	On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected
		Transmission Type	Unicast / Multicast
	JPEG	Image Quality	10 steps
		Refresh Interval	0.1 fps - 30 fps
		Transmission Type	
	Cropping fu		Off / JPEG (1) / JPEG (2) / JPEG (3) / H.264 (1) / H.264 (2) /
	Audio compression method		H.264 (3) / H.264 (4) / H.264 (all)
			Alarm action On/ Off
	Bandwidth control		AAC-LC (HIGH QUALITY) ^{*8} 64 kbps / 96 kbps / 128 kbps
			64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbp
			IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS,
	Supported Protocol		NTP, SNMP, DHCPv6, MLD, ICMP, ARP, DiffServ
			IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
			FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMF
			ICMP, ARP, DiffServ
	FTP Client		Alarm image transmission, FTP periodic transmission
			(When the FTP transmission is failed, backup on an optional
			SDXC/SDHC/SD memory card is available.)
	Maximum concurrent		Up to 14 users (Depends on network conditions)
	access number		
	SDXC/SDHC/SD		Manufactured by Panasonic (SD speed class 4 or higher)
	Memory Card(Option)		SDXC memory card : 64 GB, 128 GB
			SDHC memory card : 4 GB, 8 GB, 16 GB, 32 GB
			SD memory card : 2 GB
			(except miniSD card and microSD card)
	Cellular Phone Compatibility		
	Mobile Terminal Compatibility		iPad, iPhone, iPod touch(iOS 4.2.1 or later),
			Android TM mobile terminals
Alarm	Alarm Source		VMD, Command alarm, Audio detection alarm
мани	Alarm Actions		SDXC/SDHC/SD memory recording, E-mail notification,
	Alarm Actions		SDXO/SDHO/SD memory recording, E-mail notification,
			Indication on browcor, ETP image transfer, Panagonia protocol output
	Alarmalag		
	Alarm Log		With SDXC/SDHC/SD memory card : 5,000 logs
	Schedule		With SDXC/SDHC/SD memory card : 5,000 logs VMD
General	Schedule		With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety></safety>
General	Schedule		With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-</safety>
General	Schedule		With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc></emc></safety>
General	Schedule Safety/EM	C Standard	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024</safety>
General	Schedule Safety/EM	C Standard	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant)</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor	C Standard	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device)</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient	C Standard urce and nsumption	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F}</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating	C Standard urce and nsumption Temperature	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F})</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating	C Standard urce and nsumption	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F}</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating	C Standard urce and nsumption Temperature erating Humidity	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F})</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope	C Standard urce and nsumption Temperature erating Humidity crophone	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation)</safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mid	C Standard urce and nsumption Temperature erating Humidity crophone istance	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mit Shock resi Waterproo	C Standard urce and nsumption Temperature erating Humidity crophone istance	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to -60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60068-2-75) / IK10 (IEC 62262)</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mit Shock resi Waterproo	C Standard urce and nsumption Temperature erating Humidity crophone istance of	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- >EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60088-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant "9 EN50155-13 (railroad standard) / EN50121, EN45545 compliant</safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mit Shock resi Waterproo	C Standard urce and nsumption Temperature erating Humidity crophone istance of idard support	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 500 (IEC 60068-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant '9 EN50155-13 (railroad standard) / EN50121, EN45545 compliant</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mic Shock resi Waterproo Other stan	C Standard urce and nsumption Temperature erating Humidity crophone istance of idard support	VMD Safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60068-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant *9 ENS0155-T3 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approval), EN50498 compliant (WV-SFV110M/WV-SFV110M only Installing using the mount bracket : 1
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mic Shock resi Waterproo Other stan	C Standard urce and nsumption Temperature erating Humidity crophone istance of idard support	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60068-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant * EN50155-T3 (railroad standard) / EN50121, EN45545 compliant E0E-R10 (E approva), EN50480 compliant (W-SPV130M/WV-SFV110M only Installing using the mount bracket : 109 mm x 70 mm (H) (e4-9/32 inches x 2-3/4 inches (H))</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mic Shock resi Waterproo Other stan	C Standard urce and nsumption Temperature erating Humidity crophone istance of idard support	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FOC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60068-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant °a EN50155-13 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approval), EN50498 compliant (WV-SFV130M/WV-SFV110M only Installing using the mount bracket : o109 mm x 70 mm (H) (04-9/32 inches x 2-3/4 inches (H)} Dome radius 54 mm {2-1/8 inches}</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mic Shock resi Waterproo Other stan	C Standard urce and nsumption Temperature erating Humidity crophone istance of idard support	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FOC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502- PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60088-2-75) / IK10 (IEC 62262) IP66 (IEC60529) Type 4X (UL50), NEMA 4X compliant EN00155-T3 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approval), EN50498 compliant (W-SFV130M/WV-SFV110M only Installing using the mount bracket : 100 mm x 70 mm (H) (q4-9/32 inches × 2-3/4 inches (H)) Dome radius 54 mm (2-1/8 inches} Installing on a wall or a ceiling directy :</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mic Shock resi Waterproo Other stan	C Standard urce and nsumption Temperature erating Humidity crophone istance of idard support	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502- PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60068-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant '9 EN50155-T3 (railroad standard) / EN50121, EN45545 compliant EN50155-T3 (railroad standard) / EN50121, EN45545 compliant Installing using the mount bracket : a109 mm x 70 mm (H) (e4-9/32 inches x 2-3/4 inches (H)) Dome radius 54 mm (2-1/8 inches) Installing on a wall or a ceiling directly : o109 mm x 47 mm (H) (e4-9/32 inches x 1-27/32 inches (H))</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Built-in mit Shock resi Waterproo Other stan Dimension	C Standard urce and nsumption Temperature erating Humidity crophone istance of of	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- >EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (+40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60068-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant *9 EN50155-T3 (railroad standard) / EN50121, EN45545 compliant E05155-T3 (railroad standard) / EN50121, EN45545 compliant e109 mm x 70 mm (H) (a4-9/32 inches x 2-3/4 inches (H)) Dome radius 54 mm {2-1/8 inches} e109 mm x 47 mm (H) (a4-9/32 inches x 1-27/32 inches (H)) Dome radius 54 mm {2-1/8 inches}</safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mic Shock resi Waterproo Other stan	C Standard urce and nsumption Temperature erating Humidity crophone istance of of	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PCE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60088-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant °a EN50155-73 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approval), EN50498 compliant (WV-SFV130M/WV-SFV110M only Installing using the mount bracket : ø109 mm × 70 mm (H) (ø4-9/32 inches × 2-3/4 inches (H)} Dome radius 54 mm (2-1/8 inches} Installing on a wall or a ceiling directty : 109 mm × 47 mm (H) (ø4-9/32 inches x 1-27/32 inches (H)} Dome radius 54 mm (2-1/8 inches} Men using mount bracket : Approx. 410 g (0.9 lbs)</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mis Shock resi Waterproo Other stan Dimension	C Standard urce and nsumption Temperature erating Humidity crophone istance of of	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FOC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to -60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60088-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant EN50155-13 (railroad standard) / EN50121, EN45545 compliant EN50155-13 (railroad standard) / EN50121, EN45545 compliant EDE-R10 (E approval), EN50498 compliant (W-SFV130M/WV-SFV110M only Installing using the mount bracket : 9109 mm × 70 mm (H) (q4-9/32 inches × 2-3/4 inches (H)} Dome radius 54 mm (2-1/8 inches} Installing on a wall or a ceiling directly : o109 mm × 47 mm (H) (q4-8/32 inches x 1-27/32 inches (H)} Dome radius 54 mm (2-1/8 inches} When using mount bracket : Approx. 410 g (0.9 lbs) Installing on a wall or a ceiling directly : Approx. 350 g (0.77 lbs</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Built-in mit Shock resi Waterproo Other stan Dimension	C Standard urce and nsumption Temperature erating Humidity crophone istance of of	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 POE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60068-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant '9 IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant electret condenser microphone Compliant with 50J (IEC 60088-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant '9 EN50155-T3 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approva), EN50488 compliant (W-SP1/30M/WV-SFV110M only Installing una wall or a ceiling directy : 109 mm × 70 mm (H) (e4-9/32 inches x 2-3/4 inches (H)} Dome radius 54 mm (2-1/8 inches} Installing on a wall or a ceiling directy : 109 mm x 47 mm (H) (e4-9/32 inches x 1-27/32 inches (H)} Dome radius 54 mm (2-1/8 inches} When</emc></safety>
General	Schedule Safety/EM Power Sou Power Cor Ambient Operating Ambient Ope Built-in mis Shock resi Waterproo Other stan Dimension	C Standard urce and nsumption Temperature erating Humidity crophone istance of dard support	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950- <emc> FOC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to -60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Nondirectional electret condenser microphone Compliant with 50J (IEC 60088-2-75) / IK10 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant EN50155-13 (railroad standard) / EN50121, EN45545 compliant EN50155-13 (railroad standard) / EN50121, EN45545 compliant EDE-R10 (E approval), EN50498 compliant (W-SFV130M/WV-SFV110M only Installing using the mount bracket : 9109 mm × 70 mm (H) (q4-9/32 inches × 2-3/4 inches (H)} Dome radius 54 mm (2-1/8 inches} Installing on a wall or a ceiling directly : o109 mm × 47 mm (H) (q4-8/32 inches x 1-27/32 inches (H)} Dome radius 54 mm (2-1/8 inches} When using mount bracket : Approx. 410 g (0.9 lbs) Installing on a wall or a ceiling directly : Approx. 350 g (0.77 lbs</emc></safety>

*1 Converted value

*2 Refer to "Notes on Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10" on

the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 10 or Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7.

*3 When using IPv6 for communication, use Microsoft® Windows® 10 or Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7.

*4 Used by super resolution techniques

*5 Transmission for 4 streams can be individually set.

*6 Cropping setting is not possible for stream set to maximum resolution.

*7 Only use AAC-LC (Advanced Audio Coding - Low Complexity) when recording audio on an SD memory card.

*8 When "AAC-LC (HIGH QUALITY)" is selected, there are limitations about the following function. "SD memory card" is not available.

"Audio detection" is not available.

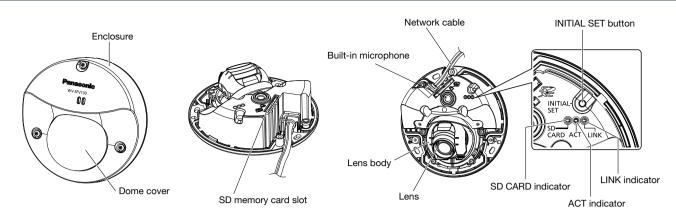
· HTTPS is not available.

The maximum concurrent access number is limited to 5

*9 Only when installation work is properly performed and appropriate waterproof treatment is performed.

*10 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver

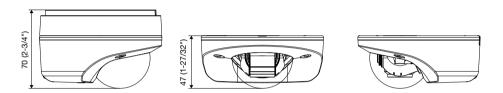
Part Names and Functions

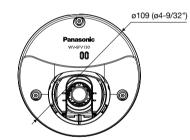


* These illustrations are WV-SFV130.

Appearance

Unit : mm (inches)





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- Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product. - Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

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