Panasonic BUSINESS

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 lx (Color), 0.03 lx (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 $^\circ$ Vertical : 60 $^\circ$ WV-SFV110 / WV-SFV110M [16 : 9 mode] Horizontal : 100 $^\circ$ Vertical : 55 $^\circ$
- 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 WV-CW6SA



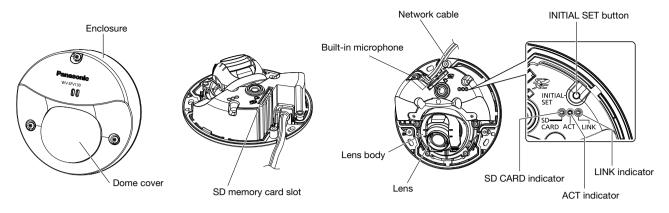
Specifications

Camera	Image Sen	sor	Approx. 1/3 type MOS image sensor
	Scanning Mode		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)
			{3/16 inches (H) x 5/32 inches (V)}
	Minimum	WV-SFV130	
	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)
		WV-SFV110	0.005 lx (F2.3, Maximum shutter: Max. 16/30s, AGC: High) Color: 0.04 lx (F2.3, Maximum shutter: Off (1/30s), AGC: High)
		WV-SFV110M	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) 0.002 lx (F2.3, Maximum shutter : Max. 16/30s, AGC : High)
	White Bala	ince	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000
	White Balance Light Control Mode		ELC / Indoor scene 50 Hz / Indoor scene 60 Hz
	Super Dynamic		On (High) / On (Normal) / Off
	Dynamic range		122 dB typ. (Super Dynamic : On)
	Face Super Dynamic		On/ Off (only when Super Dynamic : On)
	Adaptive Black Stretch		On / Off (only when Super Dynamic : Off)
	Back light compensation (BLC)		
	Fog compensation High light compensation (HLC)		On / Off (only when Super Dynamic/ Adaptive black stretch: O
	AGC		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. 1/250 s, max. 1/120 s, max. 1/100 s, max. 2/120 s, max. 2/120 s, max. 2/100 s, max. 2/100 s, max. 3/120 s, max. 3/30 s, max. 6/30 s,
			max. 10/30 s, max. 16/30 s
	Day/Night (Electrical) Digital Noise Reduction Video Motion Detection Privacy Zone		Off / Auto
			High / Low On / Off, 4 areas available On / Off (up to 8 zones available)
l am-	Camera Tit		Up to 20 characters (alphanumeric characters, marks), On / C
Lens	Focal Length Digital (electronic) zoom		
	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		[16 : 9 mode] Horizontal : 108 ° Vertical : 60 °
	Field of View	WV-SFV130M	[4:3 mode] Horizontal: 89 ° Vertical: 66 °
	I leid of view		[16 : 9 mode] Horizontal : 100 ° Vertical : 55 °
		WV-SFV110 WV-SFV110M	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 °
	Maximum a	WV-SFV110 WV-SFV110M aperture ratio	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3
Adjusting	Maximum a	WV-SFV110 WV-SFV110M aperture ratio	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3 0.5 m - ∞
Adjusting	Maximum a	WV-SFV110 WV-SFV110M aperture ratio	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3 0.5 m - ∞ Installing on a ceiling Horizontal : -20 ° to +20 °
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	Maximum a Focus Dist	WV-SFV110M wy-SFV110M aperture ratio ance	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 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)
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Browser	Maximum a Focus Dist Angle Camera Co Display Mo	WV-SFV110M WY-SFV110M aperture ratio ance	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 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.
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Browser	Maximum a Focus Dist Angle Camera Co Display Mo Camera Tit Clock Disp One Shot C SD Memor Data Down GUl/Setup Menu Lang System Lo Supported	WV-SFV110M WV-SFV110M aperture ratio ance control ande tile alay Capture y aload guage g OS *2*3	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3 0.5 m - ∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -20 ° to +20 ° Vertical : -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: 12H/24H/Off, Date : 5 formats on the browser, Summer time (Man. 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, Microsoft® Windows® 7 Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 9 (32 bit) Windows® Internet Explorer® 8 (32 bit)
Browser	Maximum a Focus Dist Angle Camera Co Display Mo Camera Tit Clock Disp One Shot C SD Memor Data Down GUl/Setup Menu Lang System Lo Supported	WV-SFV110M WV-SFV110M aperture ratio ance control ande tile alay Capture y aload guage g OS *2*3	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3 0.5 m - ∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -20 ° to +20 ° Vertical : -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: 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® 8,1, 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® 8 (32 bit) Wardows® Internet Explorer® 8 (32 bit)
Browser	Maximum a Focus Dist Angle Camera Ct Display Mc Camera Tit Clock Disp One Shot C Sho	WV-SFV110M aperture ratio ance ontrol de tle olay Capture y nload guage g OS *2*3 Browser	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 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: 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, Microsoft® Windows® 7 Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 9 (32 bit) Windows® Internet Explorer® 8 (32 bit)
Browser	Maximum a 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-SFV110M apperture ratio ance ontrol ode tle llay Capture y nload guage g OS *2 *3 Browser	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3 0.5 m - ∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -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: 12H/24H/Dff, 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® 18, 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
Browser	Maximum a 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 Network IF WY-SPV138	WV-SFV110M wy-SFV110M apperture ratio ance control ode tite olay Capture y nload guage g OS *2 *3 Browser	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 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: 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® 11 (32 bit) 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
Browser	Maximum a Focus Dist Angle Camera Ct Display Mc Camera Tit Clock Disp One Shot C St Demor Data Down GUI/Setup Menu Lang System Lo Supported Supported Network IF WY-SPV130 W-SPV130	WV-SFV110M aperture ratio ance control ode capture y load guage g OS *2*3 Browser	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3 0.5 m - ∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -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 : 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 Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 8 (33 bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female)
Browser	Maximum a Focus Dist Angle Camera Cc Display Mc Camera Tit Clock Disp One Shot C SD Memo Data Down GUI/Setup Menu Lang System Lo Supported Supported Network IF WY-SPV130 WY-SPV130 Image	WV-SFV110M wy-SFV110M apperture ratio ance control ode ttle lay coapture y nload guage g OS *2 *3 Browser coaptws-SFV110M //WV-SFV110M //WV-SFV130M WV-SFV130M WV-SFV130M	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 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 : 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® 11 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 8 (32 bit) Safan', 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, M2 connector (female) 10Base-T / 100Base-TX, RJ45 connector (female)
Adjusting Browser GUI	Maximum a Focus Dist. Angle Camera Ct Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo. Supported Supported Network IF WV-SPV130 WV-SPV130 Image Resolution	WV-SFV110M wy-SFV110M apperture ratio ance control ode ttle lay coapture y nload guage g OS *2 *3 Browser coaptws-SFV110M //WV-SFV110M //WV-SFV130M WV-SFV130M WV-SFV130M	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 1 : 2.3 0.5 m - ∞ Installing on a ceiling Horizontal : -20 ° to +20 ° Vertical : -20 ° to +20 ° Vertical : -20 ° to 0 ° (right under) to +90 ° (right beside) Installing on a wall Horizontal : -90 ° to -90 ° Vertical : -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® 1, Microsoft® Windows® 7 Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 10 (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) 119a0 x 1,080 * mode is only available for H.264(1), H.264(* * 2 mega pixel [16 : 9] 1,920 x 1,080 * mode is only available for H.264(1), H.264(* * 2 mega pixel [4 : 3] 1,600 x 1,200 * node is only available for H.264(1), H.264(* * 3 mega pixel [4 : 3]
Browser	Maximum a Focus Dist. Angle Camera Ct Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo. Supported Supported Network IF WV-SPV130 WV-SPV130 Image Resolution	WV-SFV110M wy-SFV110M apperture ratio ance control ode ttle lay coapture y nload guage g OS *2 *3 Browser coaptws-SFV110M //WV-SFV110M //WV-SFV130M WV-SFV130M WV-SFV130M	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 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 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 (Man. 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, Sicrosoft® Windows® 8.1, Microsoft® Windows® 10 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 9 (32 bit) Windows® Internet Explorer® 9 (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)
Browser	Maximum a Focus Dist. Angle Camera Ct Display Mc Camera Tit Clock Disp One Shot C SD Memor Data Down GUI/Setup Menu Lang System Lo. Supported Supported Network IF WV-SPV130 WV-SPV130 Image Resolution	WV-SFV110M wy-SFV110M apperture ratio ance control ode ttle lay coapture y nload guage g OS *2 *3 Browser coaptws-SFV110M //WV-SFV110M //WV-SFV130M WV-SFV130M WV-SFV130M	[16 : 9 mode] Horizontal : 100 ° Vertical : 55 ° [4 : 3 mode] Horizontal : 100 ° Vertical : 73 ° 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: 12H/24H/Off, Date : 5 formats on the browser, Summer time (Man. 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, Microsoft® Windows® 11 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 8 (32 bit) Safan', Google Chrome*, Mozilla Firefox* *with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector (female) 2 mega pixel [16: 9] 1,920 x 1,080 ′ node is only available for H.264(1), H.264(* 2 mega pixel [4: 3] 1,600 x 1,200 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 8 ° ° 1,600 x 1,200 / 1,280 x 700 / 640 x 360 / VGA / 400 x 300 / QVGA / 160 x 120 ° ° 1,000 mode is only available for H.264(1), H.264(* 3 mega pixel [4: 3] 2,048 x 1,536 *4 / 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / V

Network	Image compression method				
	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	<when best="" bit="" constant="" effort="" is="" or="" rate="" selected=""></when>		
		g,	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		
			Unicast / Multicast		
	JPEG	Image Quality			
			0.1 fps - 30 fps		
	0 : (Transmission Type			
	Cropping f	unction o	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		
			G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps, AAC-LC *7 64 kbps		
	/ iddio oomi	370001011111011100	AAC-LC (HIGH QUALITY)'8 64 kbps / 96 kbps / 128 kbps		
	Bandwidth		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbp		
	Supported	d Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, 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)		
			SDXC memory card : 64 GB, 128 GB		
	Memory Card(Option)		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		JPEG image		
	Mobile Terminal Compatibility		iPad, iPhone, iPod touch(iOS 4.2.1 or later),		
	,		Android [™] mobile terminals		
Alarm	Alarm Source		VMD, Command alarm, Audio detection alarm		
	Alarm Actions		SDXC/SDHC/SD memory recording, E-mail notification,		
			Indication on browser, FTP image transfer, Panasonic protocol outp		
	Alarm Log	l	With SDXC/SDHC/SD memory card : 5,000 logs		
0	Alarm Log Schedule		With SDXC/SDHC/SD memory card : 5,000 logs VMD		
General	Alarm Log Schedule	IC Standard	With SDXC/SDHC/SD memory card : 5,000 logs VMD <safety></safety>		
General	Alarm Log 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-		
General	Alarm Log 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>		
General	Alarm Log Schedule Safety/EM	1C 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, EN5502</emc></safety>		
General	Alarm Log Schedule Safety/EM	1C 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, IEC60950-2EMC> FOC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 POE (IEEE802.3af compliant, Alternative A)		
General	Alarm Log Schedule Safety/EM	IC 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, EN5502</emc></safety>		
General	Alarm Log Schedule Safety/EM Power Sor Power Co Ambient	IC 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, EN5502 PCE (IEEE802.3af compliant, Alternative A) 48 V DC : 90 mA / Approx. 4.3 W (Class 2 device)		
General	Alarm Log Schedule Safety/EM Power Sor Power Co Ambient Operating	IC Standard urce and insumption	With SDXC/SDHC/SD memory card: 5,000 logs VMD Safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PCE (IEEE802.3af compliant, Alternative A) 48 V DC: 90 mA / Approx. 4.3 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F}		
General	Alarm Log Schedule Safety/EM Power Sol Power Co Ambient Operating Ambient Op Built-in mi	urce and insumption Temperature interesting Humidity icrophone	With SDXC/SDHC/SD memory card : 5,000 logs VMD Safety> UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PGE (IEEE802.3af compliant, Alternative A) 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		
General	Alarm Log Schedule Safety/EM Power Sor Power Co Ambient Operating Ambient Op Built-in mi Shock res	IC Standard urce and insumption Temperature ierating Humidity icrophone iistance	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, Alternative A) 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)		
General	Alarm Log Schedule Safety/EM Power Son Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc	IC Standard urce and insumption Temperature ierating Humidity icrophone iistance 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, IEC60950-1 UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PoE (IEEE802.3af compliant, Alternative A) 8 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		
General	Alarm Log Schedule Safety/EM Power Son Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc	IC Standard urce and insumption Temperature ierating Humidity icrophone iistance 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, IEC60950-1 (EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PCE (IEEE802.3af compliant, Alternative A) 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		
General	Alarm Log Schedule Safety/EM Power So Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc Other star	urce and insumption. Temperature ereating Humidity icrophone isistance of indard 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, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PGE (IEEE802.3af compliant, Alternative A) 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 °B EN50155-73 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approval), EN50498 compliant (WV-SFV130MWV-SFV110M onlied)		
General	Alarm Log Schedule Safety/EM Power Son Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc	urce and insumption. Temperature ereating Humidity icrophone isistance of indard 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, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PCE (IEEE802.3af compliant, Alternative A) 8 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 Installing using the mount bracket:		
General	Alarm Log Schedule Safety/EM Power So Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc Other star	urce and insumption. Temperature ereating Humidity icrophone isistance of indard 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, IEC60950-1 VEMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PoE (IEEE802.3af compliant, Alternative A) 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 ECE-R10 (E approval), EN50498 compliant (WV-SFV130M/WV-SFV110M onl Installing using the mount bracket: ø109 mm × 70 mm (H) (ø4-9/32 inches × 2-3/4 inches (H))		
General	Alarm Log Schedule Safety/EM Power So Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc Other star	urce and insumption. Temperature ereating Humidity icrophone isistance of indard 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, IEC60950-1, CE, IE		
General	Alarm Log Schedule Safety/EM Power So Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc Other star	urce and insumption. Temperature ereating Humidity icrophone isistance of indard 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, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 POE (IEEE802.3af compliant, Alternative A) 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 °EN50155-73 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approval), EN50498 compliant (W-SFV130M/WV-SFV110M onl Installing using the mount bracket: a10 9 mm × 70 mm (H) (64-9/32 inches × 2-3/4 inches (H)) Dome radius 54 mm (2-1/8 inches) Installing on a wall or a ceiling directly:		
General	Alarm Log Schedule Safety/EM Power So Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc Other star	urce and insumption. Temperature ereating Humidity icrophone isistance of indard 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, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 PCE (IEEE802.3af compliant, Alternative A) 8 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 Installing using the mount bracket: a109 mm × 70 mm (H) (64-9/32 inches × 2-3/4 inches (H)) Dome radius 54 mm (2-1/8 inches) Installing on a wall or a ceiling directly: ø109 mm × 47 mm (H) (ø4-9/32 inches x 1-27/32 inches (H))		
General	Alarm Log Schedule Safety/EM Power Soi Power Co Ambient Operating Ambient Op Built-in mi Soik res Waterproo Other star	urce and insumption Temperature elevating Humidity icrophone isistance of indard 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, IEC60950-1, CL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1, IEC60950-		
General	Alarm Log Schedule Safety/EM Power So Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc Other star	urce and insumption Temperature elevating Humidity icrophone isistance of indard 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 PGE (IEEE802.3af compliant, Alternative A) 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) / IKT0 (IEC 62262) IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant °9 EN50155-73 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approval), EN50498 compliant (WV-SFV130MWV-SFV110M onl Installing using the mount bracket: a109 mm x 70 mm (H) (a4-9/32 inches x 2-3/4 inches (H)) Dome radius 54 mm (2-1/8 inches) Installing on a wall or a ceiling directly: a109 mm x 47 mm (H) (64-9/32 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)		
General	Alarm Log Schedule Safety/EM Power Soi Power Co Ambient Operating Ambient Op Built-in mi Shock res Waterproc Other star Dimensior	urce and insumption Temperature elevating Humidity icrophone isistance of indard 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, IEC60950-1 EMC> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN5502 POE (IEEE802.3af compliant, Alternative A) 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 °EN50155-73 (railroad standard) / EN50121, EN45545 compliant CEC-R10 (E approval), EN50498 compliant (W-SFV130M/WV-SFV110M onl Installing using the mount bracket: a109 mm × 70 mm (H) (a4-9/32 inches × 2-3/4 inches (H)) Dome radius 54 mm (2-1/8 inches) Installing on a wall or a ceiling directly: a109 mm × 47 mm (H) (a4-9/32 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) Installing on a wall or a ceiling directly: Approx. 350 g (0.77 lbs)		
General	Alarm Log Schedule Safety/EM Power Soi Power Co Ambient Operating Ambient Op Built-in mi Soik res Waterproc Other star	urce and insumption Temperature elevating Humidity icrophone isistance of indard 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, Alternative A) 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-T3 (railroad standard) / EN50121, EN45545 compliant ECE-R10 (E approva), EN50498 compliant (W-SFV130M/WV-SFV110M onl Installing using the mount bracket: a109 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 celling directly: a109 mm × 47 mm (H) (ø4-9/32 inches x 1-27/32 inches (H)) Dome radius 54 mm (2-1/8 inches)		

- *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. $^{\star}8$ When "AAC-LC (HIGH QUALITY)" is selected, there are limitations about the following function.
- \cdot "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

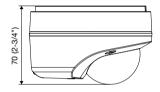
Part Names and Functions

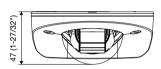


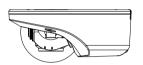
* These illustrations are WV-SFV130.

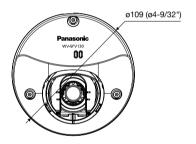
Appearance

Unit: mm (inches)









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