Panasonic

BUSINESS

Super Dynamic Full HD Vandal Resistant & Waterproof Dome Network Camera

WV-SFV631L

Super Dynamic HD Vandal Resistant & Waterproof Dome Network Camera

WV-SFV611L



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

Full HD / 1,920 x 1,080 60 fps H.264 Vandal Resistant Network Camera featuring Super Dynamic (WV-SFV631L) HD / 1,280 x 720 60 fps H.264 Vandal Resistant Network Camera featuring Super Dynamic (WV-SFV611L)

Key Features

- 1080p Full HD / 720p HD images up to 60 fps*1
- Approximate 1/3 inches, high sensitivity MOS image sensor
- Super high resolution at Full HD/1,920 x 1,080 created by high sensitivity MOS image sensor. (WV-SFV631L only)
- Multiple H.264 (High profile) streams (max. 4 streams) and JPEG streams ensure simultaneous real time monitoring and high resolution recording.
- Maximum Screen Size is 2,048 x 1,536* @30 fps, H.264 (WV-SFV631L only)
 * Used by super resolution techniques
- Enhanced Super Dynamic*

 and ABS (Adaptive Black Stretch) technologies deliver 133 dB wider dynamic range compared to conventional cameras.
- 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.

- High sensitivity with Day/Night (ICR*) function: WV-SFV631L: 0.04 lx (Color), 0.01 lx (B/W) at F1.3 WV-SFV611L: 0.01 lx (Color), 0.003 lx (B/W) at F1.3 *ICR: IR Cut filter Removal
- IR LED equipped: The equipped infrared LED makes it possible to take pictures at zero lx.
- IR LED is controlled to match the environment, thereby the camera provides clear images of human faces without white blur.
- New camera attachment bracket allows an easy camera installation toward all four directions.
- High Speed ABF (Auto Back Focus) and Motorized Zoom ensures easy installation.
- Newly developed lens with aperture control function realizes the best focus in any environment.
- 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.
- Cropping function enables to provide whole image and the part image simultaneously.
 Up to 4 image capture areas can be specified, and it is also possible to control the sequence.
- Face Super Dynamic technology ensures clear face image.
- Lens distortion compensation for the distorted images can be adjusted 256 steps.
- Selectable light control modes:

Outdoor scene,Indoor scene (50 Hz) / Indoor scene (60 Hz),Fix shutter Indoor scene (50 Hz/60Hz): Flicker caused by fluorescent lightning will be automatically compensated.

- 3x (WV-SFV631L), 2x (WV-SFV611L) extra optical zoom at 640 x 360 resolution
- 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.
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDXC/SDHC/SD memory recording, 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.
- 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.
- Double SDXC/SDHC/SD Memory card slots for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (H.264 / JPEG).
 - Realize long-term recording and auto backup function.

 Newly developed dome cover provides clearer images above the hor
- Newly developed dome cover provides clearer images above the horizontal.
 Thereby, it expands the tilting range of the lens.
- 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.
- Super Chroma Compensation function realizes a better color reproducibility even in low illumination.
- H.264 max. bit rate/client and Total bit rate control allows flexible network traffic management.
- Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Internet mode: H.264 images can be transmitted over HTTP protocol.
- Multi-language: English / İtalian / French / German / Spanish / Portuguese / Russian / Chinese / Japanese
- Supports SSL, DDNS (viewnetcam, RFC2136)
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard, Type 4X(UL50), NEMA 4X compliant.
- Dehumidification device for use with various weather conditions
- Vandal resistant mechanism for high reliability
- *1 Super Dynamic function is automatically set off on 60 fps mode.

Specifications

Camera	I	_	
	Image 8	Sensor	Approx. 1/3 type MOS image sensor
		ng Mode	Progressive scan
	Scanning Area		WV-SFV631L: 5.28 mm (H) x 3.30 mm (V) {7/32 inches (H) x 1/8 inches (V)} WV-SFV611L: 4.86 mm (H) x 3.65 mm (V) {3/16 inches (H) x 5/32 inches (V)}
	Minimu	m Illumination	WV-SFV631L: Color: less than 0.04 lx, BW: 0.01 lx
			(F1.3, Maximum shutter : Max. 1/30s, Gain : On(High))
			Color : less than 0.003 lx, BW : 0.0007 lx
			(F1.3, Maximum shutter : Max. 16/30s, Gain : On(High)) *1 WV-SFV611L :
			Color : less than 0.01 lx, BW : 0.003 lx
			(F1.3, Maximum shutter : Max. Off (1/30s), Gain : On(High))
			Color : less than 0.0007 lx, BW : 0.0002 lx
	IR LED	Light	(F1.3, Maximum shutter : Max. 16/30s, Gain : On(High))*1 Off / Auto (High / Mid / Low)
		irradiation distance	Approx. 30 m {98.43 feet}
		Balance	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
	Light C	ontrol Mode	Outdoor scene : Automatic integration of ALC and ELC
	Shutter Speed		Indoor scene [50 Hz]: Automatic integration of ALC and ELC with flickerless Indoor scene [60 Hz]: Automatic integration of ALC and ELC with flickerless
			[2 mega pixel [16 : 9](60 fps mode)/ 1.3 mega pixel [16 : 9](60 fps mode)]
			Off(1/30), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000,1/10000 Other than [2 mega pixel [16 : 9](60 fps mode)/ 1.3 mega pixel [16 : 9](60 fps mode)] Off(1/30), 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250,1/500,
			1/1000, 1/2000, 1/4000, 1/10000
	Super Dynamic *2 Face Super Dynamic		On (High) / On (Normal) / Off On / Off (Only when Super Dynamic : On)
	Adaptive Black Stretch		On / Off (Only when Super Dynamic : On) On / Off (Only when Super Dynamic : Off)
	Fog compensation		On / Off (Only when Super Dynamic / Adaptive black stretch : Off)
	AGC Electronic Sensitivity UP		On (Low) / On (Mid) / On (High) / Off
			max. 1/1000 s, max. 1/500 s, max. 1/250 s, max. 1/100 s, max. 1/60 s, max. 1/30 s, max. 2/30 s, max. 4/30 s, max. 6/30 s,
			max. 10/30 s, max. 16/30 s Off / On / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Day/Night (ICR) Dynamic Range		Off / On / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC) 133 dB typ. (Super Dynamic : On, Light Control Mode : indoor)
	Digital Noise Reduction		High / Low
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 steps
	Privacy Zone		Up to 8 zones
	VIQS Camera Title (OSD)		Up to 8 zones Up to 20 characters (alphanumeric characters, marks)
	Camera Title (OSD) Electric Zoom		TELE / WIDE, Auto Coarse adjustment of Focus
	Focus Adjustment		ABF / MANUAL (Html only)
		stortion Compensation	256 steps
Lens		cal Length	2.8 - 10mm {1/8 inches - 13/32 inches}
	Angular Field of View		WV-SFV631L [16:9 mode] Horizontal: 28.8° (TELE) – 102.6° (WIDE) Vertical: 16.0° (TELE) – 56.0° (WIDE)
			[4 : 3 mode] Horizontal : 23.7° (TELE) – 84.3° (WIDE) Vertical : 17.8° (TELE) – 62.4° (WIDE)
			WV-SFV611L [16:9 mode] Horizontal: 26.4° (TELE) – 93.7° (WIDE) Vertical : 14.8° (TELE) – 51.6° (WIDE)
			[4:3 mode] Horizontal: 26.4° (TELE) – 93.7° (WIDE)
	Mavimi	ım Aperture Ratio	Vertical : 20.0° (TELE) – 69.3° (WIDE) 1:1.3 (WIDE) - 1:3.0 (TELE) *with Smart DoF (Depth of Field) mode
		ng Range	0.3 m - ∞
Adjusting		-	Horizontal: ±180°, Vertical: 0-85°
			Image tilt adjustment range : -45° (Left) to +300° (Right)
Browser	Croppir	ng	H.264(1) / H.264(2) / H.264(3) / H.264(4) / H.264(all) /
			JPEG(1) / JPEG(2) / JPEG(3)
	Camera	a Control	JPEG(1) / JPEG(2) / JPEG(3) Up to 4 image capture areas can be specified Brightness, AUX On / Off
	Camera		Up to 4 image capture areas can be specified
	Display	Mode	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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.
	Display	Mode Zoom	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI
	Display	Mode Zoom a Title	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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.
	Display Digital 2 Camera Clock E Alarm C	Mode Zoom a Title Display Control	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset
	Display Digital 2 Camera Clock E Alarm C One Sh	Mode Zoom a Title Display	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window.
	Display Digital 2 Camera Clock E Alarm C	Mode Zoom a Title Display Control	Up to 4 image capture areas can be specified Brightness, ALIX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High
	Display Digital 2 Camera Clock I Alarm (One Sh Audio	Mode Zoom a Title Display Control ot Capture	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High
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	Display Digital 2 Camera Clock I Alarm C One Sh Audio SD Men GUI / Se	Mode Zoom a Title Display Control of Capture nory Data Download etup Menu Language	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanesee
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	Display Digital 2 Camera Clock I Alarm C One Sh Audio SD Men GUI / Se System	Mode Zoom a Title Jisplay Control ot Capture mory Data Download etup Menu Language Log ted OS *3	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 10 Microsoft® Mindows® 10 Mindows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 7 (32-bit) Safari*, Google Chrome*, Mozilla Firefox*
GUI	Display Digital 1 Camera Clock E Alarm C One Sh Audio SD Mer GUI / Sc System Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download stup Menu Language Log ted OS '3	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 10 Microsoft® Windows® 8 Microsoft® Windows® 8 Microsoft® Windows® 18 Microsoft® Windows® 18 Microsoft® Windows® 7 Microsoft® Windows® 11 Microsoft® Windows® 15 Microsoft® Windows® 18 Microsoft® Windows® 18 Microsoft® Windows® 18 Microsoft® Windows® 10 Microsoft® Windows® 10 Microsoft® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 15 (32-bit) Windows® Internet Explorer® 15 (32-bit) Windows® Internet Explorer® 16 (32-bit) Windows® Internet Explorer® 17 (32-bit) Windows® Internet Explorer® 17 (32-bit) Windows® Internet Explorer® 18 (32-bit) Windows® Internet Explorer® 18 (32-bit) Windows® Internet Explorer® 19 (32-bit) Windows® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 11 (32-bit) Windows® Internet Expl
GUI	Display Digital 1 Camera Clock E Alarm C One Sh Audio SD Mer GUI / Sc System Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download stup Menu Language Log ted OS '3	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 10 Microsoft® Windows® 10 Microsoft® Windows® 10 Microsoft® Windows® 8 Microsoft® Windows® 10 Microsoft® Mindows® 10 Mindows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 7 (32-bit) Windows® Internet Explorer® 7 (32-bit) Safari*, Google Chrome*, Mozilla Firefox*
GUI	Display Digital 1 Camera Clock E Alarm C One Sh Audio SD Mer GUI / Sc System Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download stup Menu Language Log ted OS '3	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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 Microsoft® Windows® 7 Microsoft® Windows® 10 Windows® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 10 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 7 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 7 (32-bit) Windows® Internet Explorer® 7 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® 104 (32-bit) Windows® 105 (32-bit) Windows® 105 (32-bit) Windows® 105 (32-bit) Windows® 105 (32-bit
GUI	Display Digital 1 Camera Clock E Alarm C One Sh Audio SD Mer GUI / Sc System Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download stup Menu Language Log ted OS '3	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 10 Microsoft® Windows®
GUI	Display Digital 1 Camera Clock E Alarm C One Sh Audio SD Mer GUI / Sc System Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download stup Menu Language Log ted OS '3	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 7 Microsoft® Windows® 8 Microsoft® Windows® 8 Microsoft® Windows® 10 Windows® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 9 (32
GUI	Display Digital : Camera Clock It. Gamera Clock It. System GUI/Sx System Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download stup Menu Language Log ted OS '3 ted Browser	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 10 Microsoft® Windows®
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download stup Menu Language Log ted OS '3 ted Browser	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 8 Microsoft® Windows® 8 Microsoft® Windows® 10 Windows® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Interne
GUI	Display Digital : Camera Clock It. Gamera Clock It. System GUI/Sx System Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download stup Menu Language Log ted OS '3 ted Browser	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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 Microsoft® Mindows Vista® Windows® Internet Explorer® 10 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 7 (32-bit) Safari*, Google Chrome*, Mozilla Firefox* **with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector *2 mega pixel [16: 9] (30/60 fps) 1,902 x 1,800 / 1,280 x 720 / 640 x 860 / 320 x 180 / 160 x 90 2 mega pixel [4: 3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 3 mega pixel [4: 3] (30 fps) 2,048 x 1,536*/1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download stup Menu Language Log ted OS '3 ted Browser	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 10 Windows® Internet Explorer® 10 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 7 (32-bit) Safari*, Google Chrome*, Mozilla Firefox* *with limitations in the part of setting screen 10Base-T / 10Base-T*, R-J45 connector 2 mega pixel [4: 3] (30 fbs) 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *3 mega pixel [4: 3] (30 fps) 2,048 x 1,536* / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *Used by super resolution techniques
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Jisplay Zontrol ot Capture mory Data Download etup Menu Language Log ted OS '3 ted Browser	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 7 Microsoft® Windows® 8.1 Microsoft® Windows® 8.3 Microsoft® Windows® 8.3 Microsoft® Windows® 8.3 Microsoft® Windows® 10 Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® 104 (300 (400 (400 (400 (400 (400 (400 (4
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download stup Menu Language Log ted OS '3 ted Browser	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 10 Windows® Internet Explorer® 10 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 7 (32-bit) Safari*, Google Chrome*, Mozilla Firefox* *with limitations in the part of setting screen 10Base-T / 10Base-T*, R-J45 connector 2 mega pixel [4: 3] (30 fbs) 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *3 mega pixel [4: 3] (30 fps) 2,048 x 1,536* / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *Used by super resolution techniques
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download etup Menu Language Log ted OS '3 ted Browser WV-SFV631L WV-SFV611L	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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 Windows® Internet Explorer® 10 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® 10 (33 (30 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 660 / 320 x 180 / 160 x 90 *2 mega pixel [4: 3] (30 fps) 1,920 x 1,080 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *1 used by super resolution techniques *1.3 mega pixel [4: 3] (30 fps) 1,280 x 960 / 800 x 600
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download etup Menu Language Log ted OS '3 ted Browser k IF WV-SFV631L Transmission Mode	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 11 Microsoft® Windows® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 10 Microsoft® Windows® 10 Microsoft® Windows® 8 Microsoft® Windows® 8 Microsoft® Windows® 10 M
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download stup Menu Language Log ted OS '3 ted Browser k IF WV-SFV631L Transmission Mode Frame Rate	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 8 Microsoft® Windows 8 Microsoft® Windows 8 Microsoft® Windows 8 Microsoft® Windows 9 Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 7 (32-bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 10Base-T X, Bul45 connector •2 mega pixel [4: 9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •2 mega pixel [4: 3] (30 fps) 1,280 x 980 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •1.3 mega pixel [4: 9] (30/60 fps) 1,280 x 990 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •1.3 mega pixel [6: 9] (30/60 fps) 1,280 x 990 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •1.3 mega pixel [6: 9] (30/60 fps) 1,280 x 990 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •1.3 mega pixel [6: 9] (50/60 fps) 1,280 x 990 / 800 x 600 / 640 x 4
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio SD Men Suppor Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download etup Menu Language Log ted OS '3 ted Browser k IF WV-SFV631L Transmission Mode	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 11 Microsoft® Windows® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 10 Microsoft® Windows® 10 Microsoft® Windows® 8 Microsoft® Windows® 8 Microsoft® Windows® 10 M
GUI	Display Digital: Camera Clock It Alarn (One Sh Audio Sp Men Suppor Suppor	Mode Zoom a Title Display Dontrol ot Capture mory Data Download stup Menu Language Log ted OS *3 ted Browser WV-SFV631L WV-SFV631L Transmission Mode Frame Rate Bit Rate/Client Image Quality	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1. Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 7 Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 10 Microsoft® Windows® 11 Microsoft® Mindows® 10 Microsoft® Mindows
Network	Display Digital: Camera Clock L Alarm (One Sh Audio SD Men GUI / Sr System Suppor	Mode Zoom a Title Display Control ot Capture mory Data Download etup Menu Language Log ted OS '3 ted Browser k IF WV-SFV631L Transmission Mode Frame Rate Bit Rate/Client	Up to 4 image capture areas can be specified Brightness, AUX On / Off 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. 1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual) Reset A still picture will be displayed on a newly opened window. Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, 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® 1.0 Microsoft® Windows® 1.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 7 Microsoft® Windows® 7 Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 8.1 Microsoft® Windows® 10 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 7 (32-bit) Safari*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 10Base-Tx, Rul4s connector •2 mega pixel [f6:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 2 mega pixel [f3] (30 fps) 1,280 x 920 / 160 x 120 * 3 mega pixel [f3] (30 fps) 1,280 x 920 / 400 x 360 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 1.3 mega pixel [f3] (30 fps) 1,280 x 920 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 1.3 mega pixel [f3] (30 fps) 1,280 x 920 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 1.3 mega pixel [f3] (30 fps) 1,280 x 920 / 800 x 600 / 640 x 480 / 400 x 300 / 32

Network	Audio I	Image Quality Refresh interval Transmission Type Compression Mode	10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) /
	Audio (Audio I	Transmission Type Compression	(JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC
	Audio I Authen	Compression	Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC
	Audio I Authen	Compression	G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC
	Audio I Authen		Off / Mic (Line) input / Audio output / Interactive (Half dupley) /
			,, (_ino) input, / iduio output / intordotivo (i idii dupiex) /
			Interactive (Full duplex) Level 1 only / Level 2 higher / All users
	Total B	tication for Audio	
	l	it Rate	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 /
	Supported Protocol FTP Client No. of Simultaneous Users SDXC/SDHC/SD		8,192 kbps / Unlimited 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, UPP, IGMP, ICMP, ARP, DiffServ Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXC/SDHC/SD memory card is available.) Up to 14 users (Depends on network conditions)
			H.264 recording:
	Memory Card (Option) * Manufactured by Panasonic (SD speed class 4 or higher) * Use the SD memory card that complies with UHS-1 (Ultra High Speed-1) in the case of SD Speed Class 10. Employment of two SD cards		Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure JPEG recording: Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SD (SDHC/SDXC) card: Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB** model *SDHC card, ** SDXC card (except miniSD card and microSD card) Dual Recording for Redundancy Series Recording for long time
	Cellular	Phone Compatibility	Series Recording for long time JPEG image, AUX control (by access level) iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android [™] mobile terminals
		erminal Compatibility	
Alarm	Alarm S		3 terminals input, VMD, Command alarm, Audio detection alarm
/	Alarm A		SDXC/SDHC/SD memory recording, E-mail notification,
			HTTP alarm notification Indication on browser, FTP image transfer,
			Panasonic protocol output
	Alarm L	.og	With SDXC/SDHC/SD memory card :
			Up to 50,000 logs for each SD memory card
	Schedule		Alarm / VMD / Access permission / H.264 recording / Scene file
Input/	Monito	Output Output	VBS: 1.0 V [p-p]/75 Ω, NTSC / PAL composite,
Output	(for adjustment)		ø3.5mm mini jack MONITOR OUT conversion plug included
	Microphone/Line Input		MIC IN and Line IN are selectable.
	Audio Output External I/O Terminals		ø3.5 mm monaural mini jack
			(monaural input) (Applicable microphone: Plug-in power type)
			Supply voltage: 2.5 V ±0.5 V
			Input impedance : Approx. 2 kΩ (unbalanced)
			0.3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) ALARM IN 1(DAY/NIGHT IN), ALARM IN 2(ALARM OUT), ALARM IN 3(AUX OUT)
General	Safety		UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1
	EMS		FCC (Part15 ClassA), ICES003 ClassA, EN55022 ClassB, EN55024 When IR LED is ON
	Power Source and		WV-SFV631L
	Power Consumption		
			DC power supply: DC12 V / 1080 mA / Approx. 12.9 W PoE (IEEE802.3af compliant) Device:
			DC48 V / 270 mA / Approx. 12.95 W* (Class 0 device)
			WV-SFV611L
			DC power supply: DC12 V /1010 mA / Approx. 12.1 W
			PoE (IEEE802.3af compliant) Device :
			DC48 V / 270 mA / Approx. 12.95 W* (Class 0 device)
	1		* Maximum power consumption on the camera power input side.
			** ONLY CONNECT DC12 V CLASS 2 POWER SUPPLY.
	Ambient Operating Temperature		-45 °C to +50 °C (-49 °F to 122 °F)
	Ambient Operating Humidity		10 to 90 % (no condensation)
	Water and Dust Resistance		IP66, IEC60529 measuring standard compatible, Type 4X(UL50),
	Water and Dust Hesistance		NEMA 4X compliant
	Shock Resistance		Compliant with 50J IEC60068-2-75
	Dimensions		ø164 mm x 139 mm (H) {ø6-15/32 inches x 5-15/32 inches (H)}
	* Installing using the base bracket		Dome radius 42 mm {1-21/32 inches}
	IIIStallill		
	Mass (a		1.6 kg {3.53 lbs.}

^{*1} Converted value

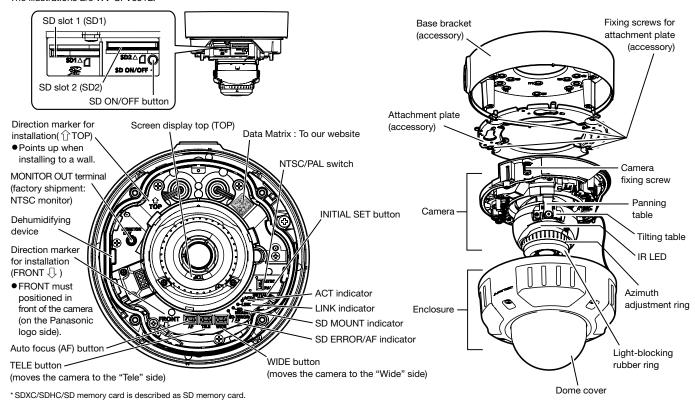
² Super Dynamic function is automatically set off on 60 fps mode.

3 Refer to "Notes on Windows Vista® / 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 or Microsoft® Windows Vista®.

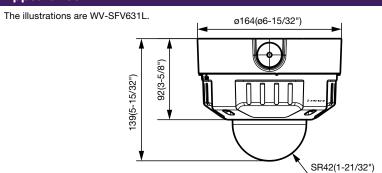
4 Transmission for 4 streams can be individually set.

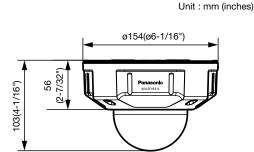
Part Names and Functions

The illustrations are WV-SFV631L.



Appearance





Optional Accessories



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- Important
- 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.
- Masses and dimensions are approximate.
- · Specifications are subject to change without notice.

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