

Super Dynamic Full HD Vandal Resistant & Waterproof Dome Network Camera

BUSINESS WV-SFV631LT



*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*

Key Features

- 1080p Full HD / 720p HD images up to 60 fps*1
- Approximate 1/3 inches, high sensitivity MOS image sensor
- \bullet Super high resolution at Full HD/1,920 x 1,080 created by high sensitivity MOS image sensor.
- 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
 Used by super resolution techniques
- Enhanced Super Dynamic^{*1} 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: 0.06 lx (Color), 0.015 lx (B/W) at F1.6
 *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 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.
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDXC/SDHC/SD memory recording, 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.
- 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.
- 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 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.
- 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)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- 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

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Network	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.)
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
	SDXC/SDHC/SD	H.264 recording :
	Memory Card (Option)	Manual REC / Alarm REC (Pre/Post) / Schedule REC /
	* Manufactured by Panasonic	Backup upon network failure
	(SD speed class 4 or higher)	JPEG recording :
	* Use the SD memory card that complies with UHS-1	Manual REC / Alarm REC (Pre/Post) / Backup upon network failure
	(Ultra High Speed-1) in	Compatible SD (SDHC/SDXC) card :
	the case of SD Speed Class 10.	Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB** model
		*SDHC card, ** SDXC card (except miniSD card and microSD card
	Employment of two SD cards	
	, , ,	Series Recording for long time
	Cellular Phone Compatibility	JPEG image, AUX control (by access level)
	Mobile Terminal Compatibility*6	iPad, iPhone, iPod touch (iOS 4,2,1 or later), Android™ mobile terminal
Alarm	Alarm Source	3 terminals input, VMD, Command alarm, Audio detection alarm
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification,
		HTTP alarm notification Indication on browser, FTP image transfer,
		Panasonic protocol output
	Alarm Log	With SDXC/SDHC/SD memory card :
	/ ta 259	Up to 50,000 logs for each SD memory card
Schedule	Schedule mode	Alarm / VMD / Access permission / H.264 recording / Scene file
Input/	Monitor 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.
	Wile opinere, zane in par	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)
	Audio Output	ø3.5 mm stereo mini jack (monaural output)
	radio output	Output impedance : Approx. 600 Ω (unbalanced)
	External I/O Terminals	ALARM IN 1(DAY NIGHT IN), ALARM IN 2(ALARM OUT),
	External VO Terminals	ALARM IN 3(AUX OUT)
General	Safety	UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950
	EMS	FCC (Part15 ClassA), ICES-003 ClassA, EN 55032 ClassB, EN55024
	Power Source and	When IR LED is ON
	Power Consumption	DC power supply: DC12 V / 1080 mA / Approx. 12.9 W
	T OWE CONSUMPTION	PoE (IEEE802.3af compliant) Device :
		DC48 V / 270 mA / Approx. 12.95 W* (Class 0 device)
		* 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	
	und Dust nosistance	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	. , ,
	Mass (approx.)	Dome radius 42 mm {1-21/32 inches} 1.6 kg {3.53 lbs.}
	Mass (approx.)	0 \ /
	FINISH	Main body : Aluminum die cast, light gray
		Dome section : Clear polycarbonate resin

^{*1} Converted value

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

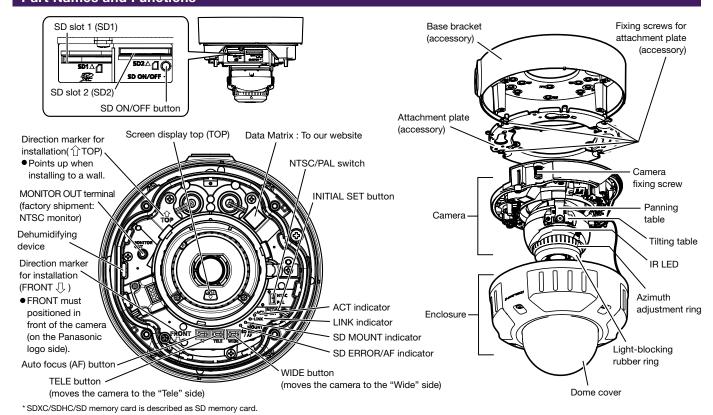
3 Refer to "Notes on Windows Vista® / Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsofte Windows® 10 or Microsofte Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows® 7 or Microsoft® Windows® 8 or

^{*4} Transmission for 4 streams can be individually set.

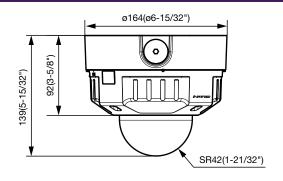
^{*5} AAC-LC (Advanced Audio Coding - Low Complexity) is only used when recording audio on an SD memory card.

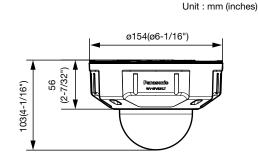
^{*6} For further information about compatible devices, refer to our website (http://security.panasonic.com/support/info/).

Part Names and Functions



Appearance





Optional Accessories











Ceiling Mount Bracket WV-Q105A



* For Indoor installation only

Ceiling Mount Bracket WV-Q121B



(suspension mount brackey to be able to install on a ceiling.)

Wall Mount Bracket WV-Q122A



(Use with the WV-Q124 (suspension mount bracket) to be able to install on a wall.)

Mount Bracket WV-Q124



(Use when installing the WV-SFV631LT using the WV-Q122A.)

Trademarks and registered trademarks

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- Android is a trademark of Google Inc.

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- ONVIF and the ONVIF logo are trademarks of ONVIF Inc All other trademarks identified herein are the property of their respective owners.

- 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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http://security.panasonic.com f http://www.facebook.com/PanasonicNetworkCamera