

4K Vandal Resistant Weatherproof Dome Network Camera WV-SFV781L



4K (3,840 x 2,160) H.264 Vandal Resistant Dome Network Camera

Key Features

- 4K (3,840 x 2,160) images up to 30 fps, 12M pixel (4,000 x 3,000) images up to 15 fps
- Newly developed 1/1.7 type high sensitivity MOS image sensor
- Ultrawide x6 zoom lens with the newly developed 3-drive lens system (Horizontal Angle: 100.0°(wide) to 17.0°(tele)) [4:3 mode]
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording.
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various conditions.
- 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.
- **GOP control** and **Auto VIQS** can save the network bandwidth and the disk space of recorder effectively.
- High sensitivity with Day/Night (ICR*) function:
 0.3 lx (Color), 0.04 lx (B/W) at F1.6
 - * ICR: IR Cut filter Removal
- Smart IR LED equipped: The equipped infrared LED makes it
 possible to take pictures at zero lx. The IR LED is controlled to
 match the environment, thereby the camera provides clear images
 of human faces without white blur.
- Camera attachment bracket allows an easy camera installation toward all four directions.
- ABF (Auto Back Focus) ensures easy installation.
- VIQS (Variable Image Quality on Specified area) technology allows the designated eight locations 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.
- Electronic sensitivity enhancement: Auto (Up to 16/30s) / OFF
- Selectable light control modes:
 Outdoor scene, Indoor scene (50 Hz) / Indoor scene (60 Hz), Fix shutter
- 1x, 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.
- SDXC/SDHC/SD Memory card slot 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.
- Fog compensation function equipped as standard.
- HLC (High Light Compensation) technology reduces strong light sources such as vehicle headlights to prevent camera being blinded.
- SCC (Super Chroma Compensation) function realizes a better color reproducibility even in low illumination.
- 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.
- ONVIF compliant model
- 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 (IK10)
- Rain wash coating dome cover

Specifications

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Camera	Image Sensor	1/1.7 type MOS image sensor
	Scanning Mode Scanning Area	Progressive scan 7.40 mm (H) x 5.55 mm (V) {9/32 inches (H) x 7/32 inches (V)}
	Minimum Illumination	Color: 0.3 lx, BW: 0.04 lx,
		BW(with IR LED): 0 lx (F1.6, Maximum shutter: Off (1/30s), Gain: High), Color: 0.02 lx, BW 0.003 lx (F1.6, Maximum shutter: Max. 16/30s, AGC: High)
	IR LED Light IR LED irradiation distance	Off / Auto(High / Mid / Low)
	White Balance	Approx. 30 m {98.43 feet} {at IR LED : Auto (High)} ATW1 (2,700 - 6,000 K) /ATW2 (2,000 - 6,000 K) /AWC (2,000 - 10,000 K
	Light Control Mode	Outdoor scene/ Indoor scene (50 Hz)/ Indoor scene (60 Hz)/ Fix shutter
	Maximum shutter	max. 1/1000 s, max. 1/500 s, max. 1/250 s, max. 1/120 s, max. 1/100 s max. 2/120 s, max. 2/100 s, max. 1/30 s, max. 2/30 s, max. 4/30 s,
	Shutter Speed	max. 6/30 s, max. 10/30 s, max. 16/30 s Off(1/30), 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250,
	Wide Dynamic Range	1/500, 1/1000, 1/2000, 1/4000, 1/10000 On / Off
	Adaptive Black Stretch	On / Off (only when Wide dynamic range: off)
	Fog compensation High light compensation(HLC)	On / Off (only when Wide dynamic range/ Adaptive black stretch: Off) On / Off (only when Wide dynamic range/ Back light compensation (BLC): Off
	Gain (AGC)	On (High) / On(Mid) / On(Low) / Off
	Day/Night (ICR)	Off / On / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Digital Noise Reduction Video Motion Detection (VMD)	High / Low On / Off, 4 areas available
	Privacy Zone	On / Off (up to 8 zones available)
	VIQS	On / Off (up to 8 locations)
	Camera Title (OSD) Focus Adjustment	On / Off Up to 20 characters (alphanumeric characters, marks) ABF / Manual (Html only)
Lens	Vari Focal Length	4.2 mm - 25.2 mm {5/32 inches – 1 inch}
	Angular Field of View	[16:9 mode] Horizontal: 17° (TELE) - 96° (WIDE) Vertical: 9.3° (TELE) - 54° (WIDE) [4:3 mode] Horizontal: 17° (TELE) - 100° (WIDE)
		Vertical : 13 ° (TELE) - 75 ° (WIDE)
	Maximum Aperture Ratio Focusing Range	1 : 1.6 (WIDE) - 1 : 3.3 (TELE) 0.6 m - ∞
Adjusting		Horizontal: ±180 °
	-	Vertical : 0 to 85°
Browser	Cropping	Image tilt adjustment range : -45° (Left) to +300° (Right) H.264(1) Ch1- Ch4
GUI	Сторриту	Up to 4 image capture areas can be specified.
	Camera Control	*only when Image capture mode : Cropping [16:9] (30fps mode Brightness, AUX On / Off
	Display Mode	Spot, Quad: Image from 16 cameras can be displayed in
		4 different Quad screens or 16 split screen (JPEG only).
	Digital Zoom	20 characters camera title available.
	Camera Title	1x, 2x, 4x controlled by browser GUI Up to 20 alphanumeric characters
	Clock Display	Time: 12H/24H,
		Date: 5 formats on the browser, Summer time (Manual)
	Alarm Control One Shot Capture	Reset A still picture will be displayed on a newly opened window.
	Audio	Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High
	OD Marrage	Audio Output : On / Off Volume adjustment : Low / Middle / High
	SD Memory Data Download	Still or motion Images recorded in the SDXC/SDHC/SD The recorded data can be downloaded.
	GUI/Setup Menu	English, Italian, French, German, Spanish, Portuguese, Russian,
	Language	Chinese, Japanese
	System Log	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory) error logs
	Supported OS *2	Microsoft® Windows® 8.1, Microsoft® Windows® 8,
	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Microsoft® Windows® 7, Microsoft® Windows Vista®
	Supported Browser	Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 10 (32 bit)
		Windows® Internet Explorer® 9 (32 bit)
		Windows® Internet Explorer® 8 (32 bit)
Network	Network IF	Windows® Internet Explorer® 7 (32 bit) 10Base-T / 100Base-TX, RJ45 connector
Network	Image Resolution	•8 mega pixel [16 : 9] (30 fps mode)
		H.264(1): 3,840 x 2,160, up to 30 fps
		JPEG(2): 640 x 360, up to 30 fps
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		JPEG(2): 640 x 360, up to 30 fps *8 mega pixel [16: 9] (15 fps mode) H.264(1): 3,840 x 2,160, up to 15 fps Compliant with H.264 H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 360 *12 mega pixel [4: 3] (15 fps mode) H.264(1): 4,000 x 3,000, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 5 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *5 mega pixel [4: 3] (30 fps mode) H.264(1): 2,560 x 1,920 / 2,048 x 1,536 / 1,600 x 1,200 / 1,280 x 960 / 800 x 600, up to 30 fps H.264(2): 1,280 x 960 / 800 x 600 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 1,280 x 960 / 800 x 600 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 1,2560 x 1,410 / 1,926 x 1,080 / 1,280 x 720, up to 30 fps H.264(1): 2,560 x 1,440 / 1,920 x 1,080 / 1,280 x 720, up to 30 fps H.264(1): 2,560 x 1,440 / 1,920 x 1,080 / 1,280 x 720, up to 30 fps H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(2): 640 x 360. up to 30 fps JPEG(2): 640 x 360.
		JPEG(2): 640 x 360, up to 30 fps *8 mega pixel [16: 9] (15 fps mode) H.264(1): 3,840 x 2,160, up to 15 fps Compliant with H.264 H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 360 *12 mega pixel [4: 3] (15 fps mode) H.264(1): 4,000 x 3,000, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 5 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *5 mega pixel [4: 3] (30 fps mode) H.264(1): 2,560 x 1,920 / 2,048 x 1,536 / 1,600 x 1,200 / 1,280 x 960 / 800 x 600, up to 30 fps H.264(2): 1,280 x 960 / 800 x 600, up to 30 fps H.264(2): 1,280 x 960 / 800 x 600 / 640 x 480 / 320 x 240, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *4 mega pixel [16: 9] (30 fps mode) H.264(1): 2,560 x 1,440 / 1,920 x 1,080 / 1,280 x 720, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(4): 640 x 360, up to 30 fps JPEG(2): 640 x 360 *Cropping [16: 9] (30 fps mode) H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping
		JPEG(2): 640 x 360, up to 30 fps *8 mega pixel [16: 9] (15 fps mode) H.264(1): 3,840 x 2,160, up to 15 fps Compliant with H.264 H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 360 *12 mega pixel [4: 3] (15 fps mode) H.264(1): 4,000 x 3,000, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 5 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *5 mega pixel [4: 3] (30 fps mode) H.264(2): 1,280 x 960 / 800 x 600 , 480 / 320 x 240, up to 30 fps H.264(2): 1,280 x 960 / 800 x 600 , 640 x 480 / 320 x 240, up to 30 fps JPEG(2): 640 x 480 *4 mega pixel [16: 9] (30 fps mode) H.264(1): 2,560 x 1,920 x 1,080 / 1,280 x 720, up to 30 fps H.264(2): 1,320 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 1,320 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping
		JPEG(2): 640 x 360, up to 30 fps *8 mega pixel [16: 9] (15 fps mode) H.264(1): 3,840 x 2,160, up to 15 fps Compliant with H.264 H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 360 *12 mega pixel [4: 3] (15 fps mode) H.264(1): 4,000 x 3,000, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 5 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *5 mega pixel [4: 3] (30 fps mode) H.264(1): 2,560 x 1,920 / 2,048 x 1,536 / 1,600 x 1,200 / 1,280 x 980 / 800 x 600 , up to 30 fps H.264(2): 1,280 x 960 / 800 x 600 / 640 x 480 / 320 x 240, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *4 mega pixel [16: 9] (30 fps mode) H.264(1): 2,560 x 1,440 / 1,920 x 1,080 / 1,280 x 720, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(2): 640 x 360 *Cropping [16: 9] (30 fps mode) H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch2 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch2 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping
		JPEG(2): 640 x 360, up to 30 fps *8 mega pixel [16: 9] (15 fps mode) H.264(1): 3,840 x 2,160, up to 15 fps Compliant with H.264 H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 360 *12 mega pixel [4: 3] (15 fps mode) H.264(1): 4,000 x 3,000, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 5 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *5 mega pixel [4: 3] (30 fps mode) H.264(1): 2,560 x 1,920 / 2,048 x 1,536 / 1,600 x 1,200 / 1,280 x 980 / 800 x 600 , up to 30 fps H.264(2): 1,280 x 960 / 800 x 600 / 640 x 480 / 320 x 240, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *4 mega pixel [16: 9] (30 fps mode) H.264(1): 2,560 x 1,440 / 1,920 x 1,080 / 1,280 x 720, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(2): 640 x 360 *Cropping [16: 9] (30 fps mode) H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch2 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch2 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch4 1,280 x 720 / 640 x 360, up to 30 fps Cropping
	H.264 Transmission	JPEG(2): 640 x 360, up to 30 fps *8 mega pixel [16: 9] (15 fps mode) H.264(1): 3,840 x 2,160, up to 15 fps Compliant with H.264 H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 360 *12 mega pixel [4: 3] (15 fps mode) H.264(1): 4,000 x 3,000, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 5 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *5 mega pixel [4: 3] (30 fps mode) H.264(1): 2,560 x 1,920 / 2,048 x 1,536 / 1,600 x 1,200 / 1,280 x 960 / 800 x 600, up to 30 fps H.264(2): 1,280 x 960 / 800 x 600, up to 30 fps H.264(2): 1,280 x 960 / 800 x 600, 480 / 320 x 240, up to 30 fps JPEG(1): Enables the setting of the resolution in the same way as for H.264 (1), H.264 (2), or JPEG (2). JPEG(2): 640 x 480 *4 mega pixel [16: 9] (30 fps mode) H.264(1): 2,560 x 1,440 / 1,920 x 1,080 / 1,280 x 720, up to 30 fps H.264(2): 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(3): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(4): 640 x 360, up to 30 fps JPEG(2): 640 x 360 *Cropping [16: 9] (30 fps mode) H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch1 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping H.264(1): Ch3 1,280 x 720 / 640 x 360, up to 30 fps Cropping

	H.264	Frame Rate <when th="" variable<=""><th>1 / 3 / 5* / 7.5* / 10* / 12* / 15* / 20* / 30* fps * The frame rate is limited to "bit rate".</th></when>	1 / 3 / 5* / 7.5* / 10* / 12* / 15* / 20* / 30* fps * The frame rate is limited to "bit rate".
		bit rate, Frame	When a value with an asterisk (*) is selected, the actual fram
		rate, or Advanced VBR is selected>	rate may be lower than the value selected.
		Bit Rate/Client	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072
			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 or
			the setting selected for "image capture size".
		Image Quality	<when best="" bit="" constant="" effort="" is="" or="" rate="" selected=""></when>
			Low / Normal / Fine
			<when bit="" is="" rate="" selected="" variable=""></when>
		Smart Coding mode	0 Super Fine / 1 Fine / 2 / 3 / 4 / 5 Normal / 6 / 7 / 8 / 9 Low
			On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected
		Refresh Interval	0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s Unicast / Multicast
	IDEO	Transmission Type	
	JPEG	Image Quality	10 steps
		Refresh Interval	0.1 fps - 30 fps
			(JPEG frame rate will be restricted when displaying both JPEG and H.264 image
		Transmission Type	Pull / Push
	Audio Co	ompression	G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC
			64 kbps / 96 kbps / 128 kbps
	Audio transmission/		Off / Mic (Line) input / Audio output / Interactive (Half duplex)
	1		Interactive (Full duplex)
	reception		
	Authentication for Audio Supported Protocol FTP Client		Level 1 only / Level 2 higher / All users
			IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS,
			NTP, SNMP, DHCPv6, MLD, ICMP, ARP
			IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
			FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP,
			IGMP, ICMP, ARP
			Alarm image transmission, FTP periodic transmission
			(When the FTP transmission is failed, backup on an optional
	1		SDXC/SDHC/SD memory card is available.)
	Mayimum	nourent access number	Up to 14 users (Depends on network conditions)
	Maximum concurrent access number		
	SDXC/SDHC/SD		H.264 recording: Manual REC / Alarm REC (Pre/Post) /
		Card (Option)	Schedule REC / Backup upon network failure
	* Use the SD memory card		JPEG recording: Manual REC / Alarm REC (Pre/Post) / FTP error /
	(SD eneed	ured by Panasonic I class 4 orhigher),	Backup upon network failure
	and in the	case of SD Speed	Compatible SD (SDHC/SDXC) card:
	Class 10, that complies with UHS-1(Ultra High Speed-1). Cellular Phone Compatibility		Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB** model
			*SDHC card, ** SDXC card (except miniSD card and microSD card)
			JPEG image, AUX control (by access level)
	Mobile Terminal Compatibility*4		iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android™ mobile termina
A1			
Alarm	Alarm Source		3 terminals input, VMD, Command alarm
	Alarm Actions		SDXC/SDHC/SD memory recording, E-mail notification,
			Indication on browser, FTP image transfer, Panasonic protocol outp
	Alarm Log		With SDXC/SDHC/SD memory card: 50,000 logs
	Schedule		Alarm / VMD / Access permission / H.264 recording / Scene file /
			FTP periodic image transmission
Input/	Monitor Ou	tput (for adjustment)	VBS: 1.0 V [p-p] / 75 Ω, NTSC / PAL composite, RCA jack
Output		one/Line Input	ø3.5 mm stereo mini jack
Carpar	1	ono, Emo input	Input impedance: Approx. 2 kΩ (unbalanced)
		Far misranhana	
		For microphone	Recommended applicable microphone: Plug-in power type
		input	Supply voltage: 2.5 V ±0.5 V
			Recommended sensitivity of microphone:
			-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz)
		For line input	
	Audio O		-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz)
	Audio O		-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV ø3.5 mm stereo mini jack
	Audio O		-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV -0.3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dB
		utput *5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV ø3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GU
			-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV ø3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dB Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT),
Ganeval	External	utput *5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 93.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dB Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT)
General		utput *5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 93.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GU ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950-
General	External	utput *5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 93.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GU ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/IGHT OUT) UL (UL0950-1, UI60950-22), C-UL (CAN/CSA C22.2 No.60950-CE, IEC60950-1
General	External	utput *5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV s3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950-CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB,
General	External Safety EMC	utput '5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 93.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dB Can be used as the monitor output by switching browser GU ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024
General	External Safety EMC	utput *5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dB Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950-CE, IEC60990-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W
General	External Safety EMC Power S	utput '5	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 93.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GU ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024
General	External Safety EMC Power S	utput '5 I/O Terminals Gource and	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 93.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950-CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W
General	External Safety EMC Power S Power C	utput '5 I/O Terminals Gource and	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V : 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compilant) /
General	External Safety EMC Power S Power C	I/O Terminals I/O terminals Source and Consumption '6	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V : 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V : 265 mA / Approx. 12.95 W (Class 0 device)
General	External Safety EMC Power S Power C Ambient Op Ambient C	I/O Terminals Gource and Consumption '6 perating Temperature	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950-CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F)
General	External Safety EMC Power S Power C Ambient Op Ambient C	I/O Terminals I/O Terminals Source and Consumption '6 Consumption 'Foresting Temperature Departing Humidity Protection	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V : 1050 mA / Approx. 12.6 W PGE (IEEEBO2.3af compliant) / PGE DC48 V : 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262)
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar	I/O Terminals I/O Terminals I/O Terminals I/O Terminals I/O Terminals I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950-CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50),
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dB Can be used as the monitor output by switching browser GL ALARM IN1 (DAYNIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V : 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V : 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate :
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C {-49 °F to 122 °F} 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate: α228 mm x 188 mm (H) {68-31/32 inches x 7-7/16 inches (H)}
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL6950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W POE (IEEE802.3af compliant) / PoE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate : 2228 mm x 189 mm (H) (88-31/32 inches x 7-7/16 inches (H)) Dome radius 80 mm (3-5/32 inches)
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser Gt ALARM IN1 (DAYNIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V : 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V : 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate :
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser Gt ALARM IN1 (DAYNIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V : 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V : 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate :
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General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res Dimension	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser Gt ALARM IN1 (DAYNIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W POE (IEEE802.3af compliant) / PoE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate :
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General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res Dimension	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C {-49 °F to 122 °F} 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate:
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res Dimension	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL6950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W POE (IEEE802.3af compliant) / POE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate: 2228 mm x 189 mm (H) {88-31/32 inches x 7-7/16 inches (H)} Dome radius 80 mm (3-5/32 inches) When using the base bracket: 2228 mm x 225 mm (H) {88-31/32 inches x 8-27/32 inches (H) Dome radius 80 mm (3-5/32 inches) When using the tatachment plate: Approx. 3.2 kg {7.05 lbs} When using the tatachment plate: Approx. 3.7 kg {8.16 lbs} Main body: Aluminum die cast, light gray,
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res Dimension	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser GL ALARM IN1 (DAYNIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V : 1050 mA / Approx. 12.6 W PoE (IEEE802.3af compliant) / PoE DC48 V : 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate : ac28 mm x 189 mm (H) (a8-31/32 inches x 7-7/16 inches (H)) Dome radius 80 mm (3-5/32 inches) When using the base bracket : ac28 mm x 225 mm (H) (a8-31/32 inches x 8-27/32 inches (H)) Dome radius 80 mm (3-5/32 inches) When using the base bracket : ac28 mm x 225 mm (H) (a8-31/32 inches x 8-27/32 inches (H)) Dome radius 80 mm (3-5/32 inches) When using the base bracket : Approx. 3.2 kg (7.05 lbs) When using the base bracket : Approx. 3.7 kg (8.16 lbs) Main body : Aluminum die cast, light gray, Dome section : Clear polycarbonate resin
General	External Safety EMC Power S Power C Ambient O Ambient O Impact F Water ar Dust Res Dimension	I/O Terminals	-48 dB±3 dB (0 dB=1 V/Pa, 1 kHz) Input level: Approx10 dBV 3.5 mm stereo mini jack Output impedance: Approx. 600 Ω (unbalanced) / Output level: -20 dE Can be used as the monitor output by switching browser Gt ALARM IN1 (DAY/NIGHT IN), ALARM IN2 (ALARM OUT), ALARM IN3 (AUX OUT, DAY/NIGHT OUT) UL (UL6950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950- CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55023 ClassB, EN55022 ClassB, EN55024 DC12 V: 1050 mA / Approx. 12.6 W POE (IEEE802.3af compliant) / POE DC48 V: 265 mA / Approx. 12.95 W (Class 0 device) -45 °C to +50 °C (-49 °F to 122 °F) 10 to 90 % (no condensation) Compliant with IK10 (IEC 62262) Main body: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant When using the attachment plate: 2228 mm x 189 mm (H) {88-31/32 inches x 7-7/16 inches (H)} Dome radius 80 mm (3-5/32 inches) When using the base bracket: 2228 mm x 225 mm (H) {88-31/32 inches x 8-27/32 inches (H) Dome radius 80 mm (3-5/32 inches) When using the tatachment plate: Approx. 3.2 kg (7.05 lbs) When using the base bracket: Approx. 3.7 kg {8.16 lbs} When using the base bracket: Approx. 3.7 kg {8.16 lbs} Main body: Aluminum die cast, light gray,

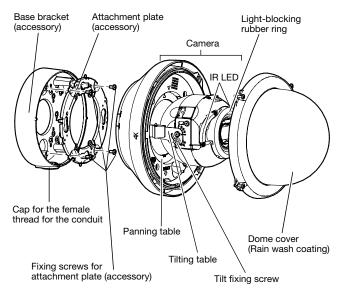
- *1 Converted value
 *2 For further information about PC system requirements and precautions for when using
 Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®,
 or Windows Internet Explorer, click "Manual" "Open" from the supplied CD-ROM and refer to
 "Notes on Windows® / Internet Explorer® versions".
- "3 AAC-LC (Advanced Audio Coding Low Complexity) is only used when recording audio on an SD memory card.

 *4 For further information about compatible devices, refer to our website
- (http://security.panasonic.com/support/info/).

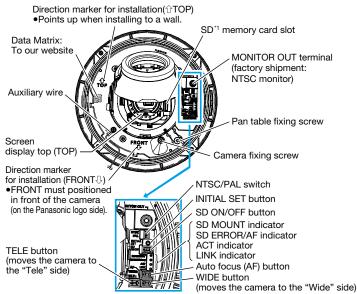
 *5 In order to be able to switch the monitor output, "8 mega pixel [16:9](15fps mode)", "5 mega pixel [4:3](30fps mode)", or "12 mega pixel [4:3](15fps mode)" must be selected for "Image capture mode". For information about usage limitations, refer to "2.3.1 Configure the basic settings [Basic]" in the "Operating Instructions".

 6 Refer to our website (http://security.panasonic.com/support/info/) for further information about
- Power source and Power consumption information.
- *7 Only when installation work is properly performed according to the instructions in this book and
- appropriate waterproof treatment is performed.
 *8 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



Inside the dome cover (with IR LED mounting section opened)



^{*1} SDXC/SDHC/SD memory card is described as SD memory card

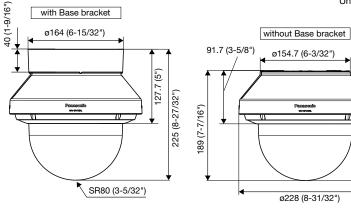
89.5 (3-17/32")

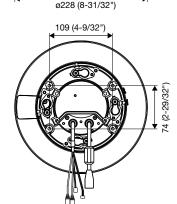
187

Appearance with Base bracket

SD memory card slot







Standard Accessories

Important information	I pc.
Installation Guide	1 set.
• CD-ROM *1	1 pc.
Code label *2	1 pc.
	•

The following parts are used during installation procedures.

Attachment plate	1 pc.
Base bracket	1 pc.
• Fixing screws for attachment plate (M4 x 8 mm)	
5 pcs. (of them. 1	for spare)

 Template B (for the base bracket)1 sheet. • Bit (Hex wrench, screw size 6.35 mm {1/4 inches} T20) 1 pc. Waterproof tape1 pc.

• 2P power cable1 pc. LAN connector cover 1 pc. Protection cover

*1 The CD-ROM contains the operating instructions and different kinds of tool software programs. *2 This label may be required for network management.

The network administrator shall retain the code label.

3 This can be used as MONITOR OUT by switching the audio/monitor output cable of the unit using software switching.

Connect the MONITOR OUT conversion plug to the audio/monitor output cable and use it when converting the ø3.5 mm stereo mini jack to the RCA pin jack output.

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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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