Panasonic

Super Dynamic Full HD Vandal Resistant & Waterproof **Dome Network Camera**

WV-SFV631LT



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
- Super high resolution at Full HD/1,920 x 1,080 created by high sensitivity MOS Sensor.
- Multiple H.264 (High profile) streams (max. 4 streams) and JPEG streams ensure simultaneous real time monitoring and high resolution recording by new enhanced "UniPhier®", Panasonic's proprietary System LSI platform.
- Maximum Screen Size is 2,048 x 1,536* @30fps, 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.
- Multi process NR & 3D-DNR ensures noise reduction in various conditions.
- High sensitivity with Day & Night (IR) function:0.06 lx (Color), 0.015 lx (B/W) at F1.6
- 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.
- 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 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.
- 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

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

Optional Accessories



Specifications

Camera			
	Image S	Sensor	Approx. 1/3 type MOS image sensor
Cullord	Effectiv		Approx. 2.4 mega pixels
	Scannir	ig Mode	Progressive scan
	Scanning Area		5.346 mm (H) x 3.336 mm (V) {7/32 inches (H) x 1/8 inches (V)}
	Minimu	m Illumination	Color: 0.06 lx, BW: 0.015 lx (F1.6, Maximum shutter : Max. 1/30s, Gain : On(High))
			BW: 0 lx (F1.6, Maximum shutter: Off(1/30 s), Gain: High, when the IR LED is lit)
			Color: 0.0045 lx, BW: 0.0011 lx (F1.6, Maximum shutter : Max. 16/30s, Gain : On(High)) *1
	IR LED	Liaht	Off/Auto(High/Mid/Low)
	IR LED irradiation distance		33 m (108.24 feet)
	White E		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)
		ontrol Mode	Outdoor scene : Automatic integration of ALC and ELC
			Indoor scene [50 Hz] : Automatic integration of ALC and ELC with flickerless
	Shutter Speed		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(1/60), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000,1/10000
	Super Dynamic *2		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
			On(High) / On(Normal) / Off
	Face Super Dynamic		On/Off (only when Super Dynamic : On)
	Adaptive Black Stretch		On/Off (only when Super Dynamic Off)
	Fog cor	npensation	On/Off (only when Super Dynamic/ Adaptive black stretch: Off)
	AGC		On (Low)/ On (Mid)/ On (High)/ Off
	Maximum shutter		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
	Day & Night (IR)		On/Off / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Dynamic Range		133 dB typ. (Super Dynamic : On, Light Control Mode : indoor)
	Digital Noise Reduction		High / Low
	Video Motion Detection		On/Off, 4 areas, Sensitivity : 15 steps, Detection size : 10 steps
	Privacy Zone		On/Off (up to 8 zones available)
	VIQS		On/Off (up to 8 zones available)
	Camera Title (OSD)		On/Off Up to 20 characters (alphanumeric characters, marks)
	Electric Zoom		TELE / WIDE , Auto Coarse adjustment of Focus
		Adjustment	ABF / MANUAL(Html only)
	Lens Distortion Compensation		256 steps
Lens	Vari Focal Length		9.0 ~ 22 mm, 2.4x {23/64 inches - 7/8 inches}
	Angular	Field of View	[16 : 9 mode] Horizontal : 13.8° (TELE) – 33.0° (WIDE)
			Vertical : 7.7° (TELE) – 17.8° (WIDE)
			[4 : 3 mode] Horizontal : 11.5° (TELE) – 27.0° (WIDE)
			Vertical : 8.6° (TELE) – 19.9° (WIDE)
	Maximu	m Aperture Ratio	1:1.6 (WIDE) ~ 1:3.0 (TELE) *with Smart DOF (Depth of Field) mode
		g Range	1m~∞
Adjusting		5	Horizontal: ±180°, Vertical: 0-85°,
	, ,		Image tilt adjustment range: -45° (Left) to +300° (Right)
Browser	Cropping		H.264(1) / H.264(2) / H.264(3) / H.264(4) / H.264(all) / JPEG(1) / JPEG(2) / JPEG(3)
GUI	oropping		Up to 4 image capture areas can be specified
	Camera Control		Brightness, AUX On/Off
	Display Mode		Spot, Quad : Image from 16 cameras can be displayed in 4 different Quad
	Disital Zaam		screens or 16 split screen (JPEG only). 20 characters camera title available. 1x, 2x, 4x controlled by browser GUI
	Digital Zoom		Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual)
	Clock Display Alarm Control		
			Reset
	One Shot Capture		A still picture will be displayed on a newly opened window.
	Audio		Mic (Line) Input : On/Off Volume adjustment : Low / Middle / High,
	00.14		Audio Output : On/Off Volume adjustment : Low / Middle / High
		nory Data Download	Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded
		tup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
	System	Log	Up to 100 (Internal)
			Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs
	Suppor	ted OS *3	Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7,
			Microsoft® Windows Vista®
			WIGOSOIL" WIIDOWS VISIA"
	Suppor	ted Browser	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit),
	Suppor	ted Browser	
	Suppor	ted Browser	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit),
Network			Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit)
Network		IF	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10 Base-T / 100 Base-TX, RJ-45 connector
Network		IF Image Capture Mode:	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit)
Network	Network	IF Image Capture Mode: 2 mega pixel [16:9] (30/60 fps)	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90
Network	Network	IF Image Capture Mode: 2 mega pixel [16:9] (30/60 fps) Image Capture Mode:	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /
Network	Network	IF Image Capture Mode: 2 mega pixel [16:9] (30/60 fps) Image Capture Mode: 2 mega pixel [4:3] (30fps)	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120
Network	Network	IF Image Capture Mode: 2 mega pixel [16:9] (30/60 fps) Image Capture Mode: 2 mega pixel [4:3] (30/fps) Image Capture Mode:	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /
Network	Network	IF Image Capture Mode: 2 mega pixel [16:9] (30/60 fps) Image Capture Mode: 2 mega pixel [4:3] (30/ps) Image Capture Mode: 3 mega pixel [4:3] (30/ps)	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows Internet
Network	Network	IF Image Capture Mode: 2 mega pixel [163] (30160 (ps) Image Capture Mode: 2 mega pixel [43] (301ps) Image Capture Mode: 3 mega pixel [43] (301ps) Transmission Mode	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UBase-T/ 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 20 cas x 1,60 k 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR
Network	Network	IF Image Capture Mode: 2 mga pixel [16:8] (2010 top) Image Capture Mode: 2 mga pixel [4:3] (30(ps) Transmission Mode Transmission Mode Frame Rate	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 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 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps
Network	Network	IF Image Capture Mode: 2 mega pixel [163] (30160 (ps) Image Capture Mode: 2 mega pixel [43] (301ps) Image Capture Mode: 3 mega pixel [43] (301ps) Transmission Mode	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 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 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,264 / 1,536 / 2,048 / 3,072 / 4,096 /
Network	Network Image Resolution	IF Image Capture Mode: 2 mega pixel [163] (3016) [59] Image Capture Mode: 2 mega pixel [4-3] (301ps) Image Capture Mode: 3 mega pixel [4-3] (301ps) Transmission Mode Frame Rate Bit Rate/Client	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UbBase-T/ 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 1,2,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps
Network	Network Image Resolution	IF Image Capture Mode: 2 mga pixel [163] (3010 (ps) Image Capture Mode: 2 mga pixel [4:3] (30(ps) Image Capture Mode: 3 mga pixel [4:3] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 61,41 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps LOW / NORMAL / FINE
Network	Network Image Resolution	IF Image Capture Mode: 2 maga pixel [163] (3060 ps) Image Capture Mode: 2 mega pixel [43] (30(ps) Image Capture Mode: 3 mega pixel [43] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7,5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 766 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 61 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / CW / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s
Network	Network Image Resolution	IF Image Capture Mode: 2 maga pixel [(53] (30/6) [59] Image Capture Mode: 2 mega pixel [4:3] (30/ps) Image Capture Mode: 3 mega pixel [4:3] (30/ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 1,600 × 1,200 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 2,048 × 1,536* / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 2,048 × 1,536* / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 Constant Ditrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 344 / 512 / 766 / 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 kbps LOW / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast
Network	Network Image Resolution	IF Image Capture Mode: 2mga pixel [163] (\$000 (ps) Image Capture Mode: 2 mgag pixel [4:3] (30(ps) Image Capture Mode: 3 mgag pixel [4:3] (30(ps) Transmission Mode Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 720 / 640 x 360 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 720 / 940 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 720 / 940 x 960 / 900 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 720 / 940 x 960 / 900 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 120 x 240 / 90 x 960 / 900 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 61 x 4 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps LOW / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps
Network	Network	IF Image Capture Mode: 2 maga pixel [(53] (30/6) [59] Image Capture Mode: 2 mega pixel [4:3] (30/ps) Image Capture Mode: 3 mega pixel [4:3] (30/ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 20 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 20 x 240 / 160 x 120 20 x 25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 1.536 / 2.048 / 3.072 / 4.096 / 6.14 / 1.536 / 2.048 / 3.072 / 4.
Network	Network Image Resolution	IF Image Capture Mode: 2mga pixel [163] (\$000 (ps) Image Capture Mode: 2 mgag pixel [4:3] (30(ps) Image Capture Mode: 3 mgag pixel [4:3] (30(ps) Transmission Mode Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 720 / 640 x 360 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 720 / 940 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 720 / 940 x 960 / 900 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 720 / 940 x 960 / 900 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 120 x 240 / 90 x 960 / 900 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 61 x 4 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps LOW / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps
Network	Network	IF Image Capture Mode: 2mga pixel [163] (\$000 (ps) Image Capture Mode: 2 mgag pixel [4:3] (30(ps) Image Capture Mode: 3 mgag pixel [4:3] (30(ps) Transmission Mode Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 20 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 20 x 240 / 160 x 120 20 x 25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 1.536 / 2.048 / 3.072 / 4.096 / 6.14 / 1.536 / 2.048 / 3.072 / 4.
Network	Network Image Resolution H.264 *4	IF Image Capture Mode: 2 maga pixel [4:3] (3080 (ps) Image Capture Mode: 2 maga pixel [4:3] (30(ps) Image Capture Mode: 3 maga pixel [4:3] (30(ps) Transmission Mode Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 720 / 640 x 360 / 640 x 480 / 400 x 300 / 220 x 240 / 160 x 120 2,048 x 1,537 / 1280 x 860 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 860 / 800 x 600 / 640 x 480 / 400 x 300 / 200 x 240 / 160 x 120 2,048 x 1,537 / 1280 x 720 / 640 x 360 / 600 p set effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 ps 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 kbps LOW / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push
Network	Network Image Resolution H.264 *4	IF Image Capture Mode: 2 mega pixel [4:5] (3060 ps) Image Capture Mode: 2 mega pixel [4:3] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type ompression	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / LOW / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC'5
Network	Network	IF Image Capture Mode: 2 mega pixel [163] (3080 [ts) Image Capture Mode: 2 mega pixel [4:3] (301ps) Image Capture Mode: 3 mega pixel [4:3] (301ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type compression Tode	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit) Windows® Internet Explorer® 7 (32-bit) 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Yused by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 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 kbps LOW / NORMAL / FINE Unicast / Multicast 10 steps 0.1 fps - 30 fps Q/IPEG frame rate will be restricted when displaying both JPEG and H.264 images) Pul / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC'5 Off // Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
Network	Network	IF Image Capture Mode: 2 maga pixel [4:3] (30(80 (ps) Image Capture Mode: 2 maga pixel [4:3] (30(ps) Transmission Mode 3 maga pixel [4:3] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Iode Cication for Audio	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 2,048 x 1,537 / 120 x 10 / 60 fps 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 kbps LOW / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Pull G.726 (ADPCM) 32 kbps / 16
Network	Network Image Resolution H.264 *4 JPEG Audio C Audio I Audio I Audio I Audio I Satura Bi	IF Image Capture Mode: 2 mega pixel [4:5] (3060 ps) Image Capture Mode: 2 mega pixel [4:3] (30(ps) Image Capture Mode: 3 mega pixel [4:3] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type ompression fode ication for Audio	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 2 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-T / 100Base-TX, RJ-45 connector 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 1,600 × 1,200 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 220 × 240 / 160 × 120 2,048 × 1,536* / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 220 × 240 / 160 × 120 2,048 × 1,536* / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 220 × 240 / 160 × 120 'Used by super resolution techniques Constant Ditrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 344 / 512 / 766 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 0.1 fps - 30 fps Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images). Pull / Push C.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC'5 Off / 108 / 256 / 384 / 512 / 766 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited
Network	Network Image Resolution H.264 *4 JPEG Audio C Audio I Audio I Audio I Audio I Satura Bi	IF Image Capture Mode: 2 maga pixel [4:3] (30(80 (ps) Image Capture Mode: 2 maga pixel [4:3] (30(ps) Transmission Mode 3 maga pixel [4:3] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Iode Cication for Audio	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 614 / 6,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps LOW / NORMAL / FINE Unicast / Multicast 10 steps 0.1 (ps - 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'5 Gt/ f/Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 84 / 128 / 256 / 384 / 512 / 786 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unimited
Network	Network Image Resolution H.264 *4 JPEG Audio C Audio I Audio I Audio I Audio I Satura Bi	IF Image Capture Mode: 2 mega pixel [4:5] (3060 ps) Image Capture Mode: 2 mega pixel [4:3] (30(ps) Image Capture Mode: 3 mega pixel [4:3] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type ompression fode ication for Audio	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 220 x 240 / 160 x 120 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 220 x 240 / 160 x 120 2,048 x 1,537 / 1280 x 860 / 800 x 600 / 640 x 480 / 400 x 300 / 220 x 240 / 160 x 120 2,048 x 1,537 / 1280 x 560 / 800 x 600 / 640 x 480 / 400 x 300 / 200 x 240 / 160 x 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 0.0W / NORMAL / FINE 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push G1 / 28 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Lollaylex)
Network	Network Image Resolution H.264 *4 JPEG Audio C Audio I Audio I Audio I Audio I Satura Bi	IF Image Capture Mode: 2 mega pixel [4:5] (3060 ps) Image Capture Mode: 2 mega pixel [4:3] (30(ps) Image Capture Mode: 3 mega pixel [4:3] (30(ps) Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type ompression fode ication for Audio	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ-45 connector 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2,048 x 1,536' / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 614 / 6,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps LOW / NORMAL / FINE Unicast / Multicast 10 steps 0.1 (ps - 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'5 Gt/ f/Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 84 / 128 / 256 / 384 / 512 / 786 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unimited

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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.

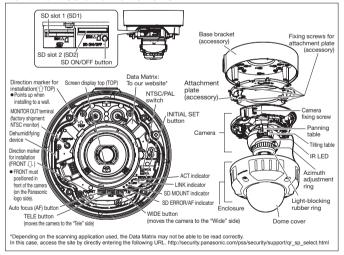
DISTRIBUTED BY:

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 : Manual REC / Alarm REC (Pre/Post) / Schedule REC/			
	Memory Card (Option)	Backup upon network failure Compatible(JPEG only)			
	* Manufactured by Panasonic	JPEG recording : Manual REC / Alarm REC (Pre/Post) /			
	(SD speed class 4 or higher)	Backup upon network failure Compatible			
	* Use the SD memory card that complies with UHS-1	SD (SDHC/SDXC) card: Panasonic			
	(Ultra High Speed-1) in the case of	2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64GB** model			
	SD Speed Class 10.	*SDHC card, ** SDXC card (except miniSD card and microSD card)			
	Employment of two SD cards	Dual Recording for Redundancy			
		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 [™] 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 :			
		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. 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)			
		Output impedance: Approx. 600 Ω (unbalanced)			
	External I/O Terminals	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), ICES-003 ClassA, EN 55032 ClassB, EN55024			
	Power Source and	When IR LED is ON			
	Power Consumption	DC power supply: 12 V DC/1080 mA/Approx. 12.9 W			
		PoE Device: 48 V DC/270 mA/Approx. 12.95 W* (Class 0 device)			
		* Maximum power consumption on the camera power input side.			
		** ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY.			
	Ambient Operating Temperature	-45 °C ~ +50 °C (-49 °F ~ 122 °F)			
	Ambient Operating Humidity	20 ~ 90 % (no condensation)			
	Impact Protection	IEC 60068-2-75 test Eh, 50 J / IEC 62262 IK10			
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50),			
	Shock Resistance	NEMA 4X compliant Compliant with 50 J IEC60068-2-75			
	Dimensions * Installing using the base bracket	ø164 mm x 139 mm (H) {ø6-15/32 inches x 5-15/32 inches (H)}			
		Dome radius 42 mm {1-21/32 inches} 1.6kg {3.53 lbs.}			
	Mass (approx.)				
		Main body : Aluminum die cast, light gray / Dome section: Clear polycarbonate resin			
*1 Converted	Converted value				

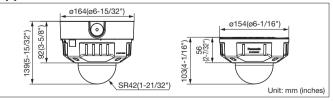
¹² Super Dynamic function is automatically set off on 60fps mode.
¹³ Refer to "Notes on Windows Vista® / Windows® 7 / Windows® 8" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.

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/pss/security/support/info.html).

Part Names and Functions



Appearance



Panasonic

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