

## Super Dynamic HD Weatherproof Network Camera

# WV-SPW611L WV-SPW611



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

## HD / 1,280 x 720 60 fps H.264 Weatherproof Network Camera featuring Super Dynamic

#### Key Features

- 720p HD images up to 60 fps\*1
- Approximate 1/2.8 inches, 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.
- Enhanced Super Dynamic<sup>1</sup> 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 : 0.01 lx (Color), 0.003 lx (B/W) at F1.3
   \*ICR: IR Cut filter Removal
- IR LED equipped : The equipped infrared LED makes it possible to take pictures at zero lx. (WV-SPW611L only)
- IR LED is controlled to match the environment, thereby the camera provides clear images of human faces without white blur. (WV-SPW611L only)
- 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/60 Hz) : 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.
  Face detection function detects the position of human face and
- the information is sent by XML or video stream. (Extension Software)
  Can be added new intelligent extension software in addition to built-in VMD (Video Motion Detection), alarm function.
- Fog compensation function equipped as standard.
- Super Chroma Compensation function realizes a better color reproducibility even in low illumination.
- H.264 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Internet mode : H.264 images can be transmitted over HTTP protocol.
- Multi-language : English / 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
- $^{\star 1}$  Super Dynamic function is automatically set off on 60 fps mode.

#### **Specifications**

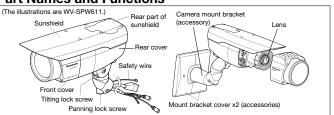
Camera	Image S	Sensor	Approx. 1/3 type MOS image sensor			
	Scannir	ng Mode	Progressive scan 4.864 mm (H) x 3.891 mm (V) {3/16 inches (H) x 5/32 inches (V)}			
		m Illumination	Color : 0.01 lx, BW : 0.003 lx (F1.3, Maximum shutter : Max. 1/30s, Gain : On(High)			
		Infiliation	BW : 0 lx (F1.3, Maximum shutter : Off(1/30 s), Gain : High, when the IR LED is lit) *1			
			Color : 0.0007 lx, BW : 0.0007 lx (F1.3, Maximum shutter : Max. 16/30s, Gain : On(High))			
		Light *1	Off / Auto (High / Mid / Low)			
	IR LED Light *1 IR LED irradiation distance *1 White Balance Light Control Mode		On / Adio (High) / Mid / Low) Approx. 30 m (98.43 feet) AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K) Outdoor scene / Indoor scene (50 Hz) / Indoor scene (60 Hz) / Fix shutter			
				Shutter		[1.3 mega pixel [16 : 9] (60 fps mode)]
				Shutter	Speed	OFF(1/60), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
			[Other than 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			
		Dynamic *3	On (High) / On (Normal) / Off			
		uper Dynamic	On / Off (only when Super Dynamic : On)			
	Adaptive Black Stretch		On / Off (only when Super Dynamic : Off)			
		npensation	On / Off (only when Super Dynamic / Adaptive black stretch : Off)			
		t compensation(HLC)	On / Off (only when Super Dynamic / Adaptive black stretch : Off)			
	AGC Maximum shutter		On (Low) / On (Mid) / On (High) / Off			
			max. 1/1000 s, max. 1/500 s, max. 1/250 s, max. 1/100 s, max. 1/60 s,			
			max. 1/30 s, max. 2/30 s, max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30 s			
	Dav/Nic	ght (ICR)	On / Off / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)			
	Dynamic Range Digital Noise Reduction Video Motion Detection Privacy Zone / VIQS Camera Title (OSD) Focus Adjustment Lens Distortion Compensation Vari Focal Length Angular Field of View		133 dB typ. (Super Dynamic : On, Light Control Mode : indoor)			
			High / Low			
			4 areas, Sensitivity : 15 steps, Detection size : 10 steps Up to 8 zones Up to 20 characters (alphanumeric characters, marks) ABF / MANUAL (Html only) 256 steps 2.8 mm - 10 mm (1/8 inches - 13/32 inches), 3.6x			
					Lens	
					[16:9 mode] Horizontal: 28.4 ° (TELE) - 96.2 ° (WIDE)	
				Vertical : 16.1 ° (TELE) - 52.8 ° (WIDE)		
				[4:3 mode] Horizontal: 28.4 ° (TELE) - 96.2 ° (WIDE)		
					Vertical : 21.4 ° (TELE) - 71.0 ° (WIDE)	
				Im Aperture Ratio	1:1.3 (WIDE) - 1:3.0 (TELE)	
			Focusing Range		0.3 m - ∞	
Adjusting	g Angle		Horizontal : ±100° (Camera mount bracket)			
			Vertical : +30°, -90° (Camera mount bracket)			
Browser	Cropping		Off/ JPEG(1)/ JPEG(2)/ JPEG(3)/ H.264(1)/ H.264(2)/ H.264(3)/ H.264(4)/ H.264(all)			
GUI			Alarm action On/ Off			
	Camera Control		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). 20 characters camera title available.			
	Digital Zoom		1x, 2x, 4x controlled by browser GUI			
	Camera		Up to 20 alphanumeric characters			
	Clock Display		Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual)			
	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			
	SD Memory Data Download		Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded			
	GUI / Setup Menu Language		English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese			
	System Log		Up to 100 (Internal)			
	0,000	5				
		-	Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log			
		ted OS *4	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8			
	Suppor	ted OS *4	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista®			
	Suppor	-	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit),			
	Suppor	ted OS *4	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista®			
	Suppor	ted OS *4	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chromer, Mozilla Firefox*			
	Suppor	ted OS *4	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chromer, Mozilla Firefox*			
Network	Suppor	ted OS *4 ted Browser	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),			
Network	Suppor Suppor	ted OS *4 ted Browser	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 2 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safar', Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen			
Network	Suppor Suppor	ted OS *4 ted Browser k IF	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® 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), Safari', Google Chrome', Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector			
Network	Suppor Suppor	ted OS *4 ted Browser k IF	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safar*, Google Chrome*, Mozilla Firefox* *with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90			
Network	Suppor Suppor	ted OS *4 ted Browser k IF	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® 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), Safar*, Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 100Base-TX, RJ45 connector *1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 *1.3mega pixel [4 : 3] (30 fps)			
Network	Suppor Suppor	ted OS *4 ted Browser k IF	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8           Microsoft® Windows® 7, Microsoft® Windows Vista®           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), Safari', Google Chrome', Mozilla Firefox'           * with limitations in the part of setting screen           10Base-T/ 100Base-TX, RJ45 connector           •1.3 mega pixel [16 : 9] (30/60 fps)           1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3mega pixel [4 : 3] (30 fps)           1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120			
Network	Suppor Suppor	ted OS '4 ted Browser k IF Resolution	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8           Microsoft® Windows® 7, Microsoft® Windows® 11, Microsoft® Windows® 11           Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 10 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox'           *with limitations in the part of setting screen           10Base-T / 100Base-TX, RJ45 connector           •1.3 mega pixel [16 : 9] (30/60 fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3mega pixel [4 : 3] (30 fps)           1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR			
Network	Suppor Suppor	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8           Microsoft® Windows® 7, Microsoft® Windows Vista®           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), Safar*, Google Chrome*, Mozilla Firefox*           * whth limitations in the part of setting screen           10Base-T / 100Base-TX, RJ45 connector           •1.3 mega pixel [16 : 9] (30/60 fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3 mega pixel [14 : 3] (30 fps)           1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps			
Network	Suppor Suppor	ted OS '4 ted Browser k IF tesolution	Microsoft® Windows® 10, Microsoft® Windows® 8, 1, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           wind bit diverse         Microsoft® Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           Wind bit diverse         Microsoft® Windows® Internet Explorer® 8 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           Wind bit diverse         Microsoft® (30 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           Wind bit diverse         Microsoft® (30 (30 (60 fps)))           1,280 x 960 x 900 x 900 / 430 / 320 x 180 / 160 x 90           *1.3 mega pixel [ 4: 3] (30 fps)           1,280 x 960 x 900 x 900 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Viranble bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 102 / 13.67 / 204 / 3.072 / 4.096 / 6.144 /			
Network	Suppor Suppor Image F	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8.           Microsoft® Windows® 7, Microsoft® Windows® 11, Microsoft® Windows® 11           Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 10 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Safar', Google Chrome*, Mozilla Firefox*           *ith limitations in the part of setting screen           10Base-T / 100Base-TX, RJ45 connector           •1.3 mega pixel [16 : 9] (300 f06) fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1,3mega pixel [4 : 3] (30 fps)           1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           64 / 128 / 266 / 384 / 512 / 768 / 10,24 / 12,36 / 16,34 / 30,72 / 4,096 / 6,144 /           8,192 / 10,240 / 12,288 / 14,36 / 16,384 / 20,400 / 24,576 / 30,72 / 4,096 / 6,144 /			
Network	Suppor Suppor	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft® Windows® 10, Microsoft® Windows® 8, 1, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           wind bit diverse         Microsoft® Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           Wind bit diverse         Microsoft® Windows® Internet Explorer® 8 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           Wind bit diverse         Microsoft® (30 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           Wind bit diverse         Microsoft® (30 (30 (60 fps)))           1,280 x 960 x 900 x 900 / 430 / 320 x 180 / 160 x 90           *1.3 mega pixel [ 4: 3] (30 fps)           1,280 x 960 x 900 x 900 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Viranble bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 102 / 13.67 / 204 / 3.072 / 4.096 / 6.144 /			
Network	Suppor Suppor Image F	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort)	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windows® Intermet Explorer® 11 (32 bit), Windows® Intermet Explorer® 10 (32 bit),           Windows® Intermet Explorer® 11 (32 bit), Windows® Intermet Explorer® 8 (32 bit),           Windows® Intermet Explorer® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox*           with limitations in the part of setting screen           10Base-T / 10DBase-TX, RJ45 connector           •1.3 mega pixel [6 : 9] (30/60 fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3mega pixel [6 : 3] (30 fps)           1,280 x 760 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           64 / 128 / 256 / 384 / 512 / 748 / 2048 / 2.0480 / 30.727 / 4.096 / 6,144 /           8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,727 / 40,960 'kbps           Low(Motion priority) / Normal / Fine(Image quality priority)			
Network	Suppor Suppor Image F	ted OS '4 ted Browser lesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rateBest effort) Smart Coding mode	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8           Microsoft® Windows® 7, Microsoft® Windows Vista®           Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 10 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox'           *inth limitations in the part of setting screen           10Base-T / 100Base-TX, RJ45 connector           •1.3 mega pixel [16 : 9] (300 f06) fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           64 / 128 / 256 / 384 / 512 / 768 / 10,24 / 15,36 / 20,48 / 3,072 / 4,096 / 6,144 / 81/2 / 12/240 / 12,288 / 14,36 / 16,384 / 20,400 / 24,576 / 30,720 / 40,960 kbps           Low(Motion priority) / Normal / Fine(Image quality priority)           On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)			
Network	Suppor Suppor Image F	ted OS '4 ted Browser k IF Resolution Frame Rate Bit Rate/Client Image Quality (Consart bit rateBest effort) Smart Coding mode Refresh interval	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8           Microsoft® Windows® 7, Microsoft® Windows® 11, Microsoft® Windows® 11           Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit),           Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 10 (32 bit),           Windows® Internet Explorer® 7 (32 bit), Safar*, Google Chrome*, Mozilla Firefox*           •with limitations in the part of setting screen           10Base-T / 100Base-TX, RJ45 connector           •1.3 mega pixel [16 : 9] (30/60 fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3 mega pixel [14 : 3] (30 fps)           1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           1 / 3 / 22 / 256 / 384 / 512 / 788 / 10;244 / 1;358 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10;240 / 12;288 / 14;33 / 16;384 / 20;480 / 24;576 / 30;720 / 40;960 * kbps           Low(Motion priority / Normal / Fine(Image quality priority)           On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)           0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s			
Network	Suppor Suppor Image F	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constart bit rate/Best effort) Smart Coding mode Refresh interval Transmission Type	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows® 1stemet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox* with limitations in the part of setting screen 10Base-T / 10DBase-TX, RJ45 connector •1.3 mega pixel [ 6: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [ 16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate pirotity / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 7458 / 1.024 / 1.538 / 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 Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s			
Network	Suppor Suppor Networ Image F	ted OS '4 ted Browser lesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bit rateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8           Microsoft® Windows® 7, Microsoft® Windows Vista®           Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 10 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 7 (30 bit), Safar*, Google Chrome*, Mozilla Firefox*           *with limitations in the part of satting screen           10Base-T / 100Base-TX, RJ45 connector           *1.3 mega pixel [16 : 9] (300 f06) fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           *1.3mega pixel [4 : 3] (30 fps)           1,280 x 960 / 860 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           64 / 128 / 256 / 384 / 512 / 768 / 10,244 / 15,36 / 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           Low(Motion priority) / Normal / Fine(Image quality priority)           On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)           0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s           Unicast / Multicast           10 steps			
Network	Suppor Suppor Image F	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constart bit rate/Best effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 7, Microsoft® Windows Vista®           Microsoft® Windows® 7, Microsoft® Windows Vista®           Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit),           Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 10 (32 bit),           Windows® Internet Explorer® 7 (32 bit), Safar*, Google Chrome*, Mozilla Firefox*           •with limitations in the part of setting screen           10Base-T / 100Base-TX, RJ45 connector           •1.3 mega pixel [16 : 9] (30/60 fps)           1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3mega pixel [4 : 3] (30 fps)           1,280 x 720 / 640 x 360 / 430 x 480 / 400 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           1/3 / 228 / 226 / 384 / 512 / 788 / 10,284 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 1,2288 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 * kbps           Low(Motion priority) / Normal / Fine(Image quality priority)           On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)           0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s           Unicast / Multicast           10 steps			
Network	Suppor Suppor Image F H.264 '5	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Constart bit rate/Best effort/ Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 2 (32 bit), Safar', Google Chrome*, Mozilla Firefox* * with limitations in the part of setting screen 10Base-T / 10DBase-TX, RJ45 connector • 1.3 mega pixel [16 : 9] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 1.3mega pixel [16 : 9] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 1.3mega pixel [4 : 3] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 152 / 786 / 1024 / 158 / 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 Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 (ps- 30 fps) (JPEG fame rate will be restricted when displaying both JPEG and H264 images. Pull / Push			
Network	Suppor Suppor Networ Image F H.264 '5	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constar bi rateBast effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 1, Microsoft® 10 (32 bit), Microsoft® 10 (32 bit), Windows® 1, Microsoft® 10 (32 bit), Windows® 1, Microsoft® 10 (32 bit), Micro			
Network	Suppor Suppor Image F H.264 '5	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constart bit rate/Best effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 10 (32 bit), Safari, Google Chrome', Mozilla Firefox*           • with limitations in the part of setting screen         10Base-T / 100Base-TX, FJ45 connector           • 1.3 mega pixel [ 16 • 9] (30/60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           • 1.3 mega pixel [ 16 • 9] (30/60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           • 1.3 mega pixel [ 16 • 9] (30/60 fps)         1,280 x 720 / 640 x 360 / 420 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR         1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps         1 (3 / 55 / 384 / 14,384 / 10,384 / 20,480 / 24,576 / 30,727 / 40,960 / 6,144 / 8,192 / 10,240 / 12,284 / 14,336 / 16,384 / 20,480 / 24,576 / 30,727 / 40,960 / kbps           Low (Mid / High) / Off (Only when "Variable bit rate" is selected)         0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s           Unicast / Multicast         10 steps         0.1 (s			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio 0 Audio N Audio N	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constart bit rate/Bst effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde iccation for Audio	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 13 (32 bit), Safari, Google Chrome*, Mozilla Firefox*           • winh limitations in the part of setting screen         10Base-T / 10DBase-TX, RJ45 connector           • 1.3 mega pixel [16 : 9] (30 f0s)         1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           • 1.3mega pixel [16 : 9] (30 f0s)         1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           • 1.3mega pixel [16 : 9] (30 f0s)         1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR         1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           64 / 128 / 256 / 348 / 122 / 158 / 20, 478 / 30, 727 / 40, 960 * kbps         Low(Motion priority) / Normal / Fine(Image quality priority)           On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)         0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s           Unicast / Multicast         10 steps         0.1 fbe - 30 fpc frame rate will be restricted when displaying both JPEG and H264 images.           0.1 ge / QADCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC         Off / Mic (Line) input / Audio output / Interactive (Haif duplex) /			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio C Audio M Authen Total B	ted OS '4 ted Browser ted Browser ted Browser ted Browser ted Browser ted Bit Rate/Client Image Quality (constant bi nateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acide ted Bit Rate ted Bit Rat	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safar', Google Chrome', Mozilla Firefox' *uth limitations in the part of setting screen 10Base-T / 100Ease-TX, RJ45 connector *1.3 mega pixel [4 : 3] (30 fps) 1,280 x 720 / 1640 x 360 / 320 x 180 / 160 x 90 *1.3mega pixel [4 : 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / 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 / 1024 01 / 12.28 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720' 40,960' kbps Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 (ps-30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 images, Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,044 / 4,096 / 8,192 kbps / Unlimited			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio C Audio M Authen Total B	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constart bit rate/Bst effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde iccation for Audio	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome', Mozilla Firefox*           with imitations in the part of setting screen         108ase-T / 100Base-T X, RJ45 connector           1.38 mega pixel [16:9] (30/60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           1.38 mega pixel [16:9] (30/60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           1.73 mega pixel [16:9] (30/60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           1.740 x 960 x 600 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120         Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1.74 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps         64 / 128 / 256 / 348 / 122 / 158 / 2048 / 30,727 / 40,960 / 6,144 / 8,192 / 10.240 / 12.284 / 14.386 / 16.384 / 20,480 / 24.576 / 30,727 / 40,960 / 6,144 / 8,192 / 10.240 / 12.284 / 14.386 / 16.384 / 20,480 / 24.576 / 30,727 / 40,960 / 6,144 / 8,192 / 10.240 / 12.284 / 14.386 / 16.384 / 20,480 / 24.576 / 30,727 / 40,960 / 6,144 / 128 / 256 / 334 / 52 / 748 / 30,72 / 40,960 / 8,192 / 16.33 / 0,5 / 1 / 2 / 3 / 4 / 58           Low / Mid / High) / Off (Only when "Variable bit rate" is selected)         0.2 / 0.25 / 0.33 / 0,5 / 1 / 2 / 3 / 4 / 58           Unicast / Multicast         10 steps         11/5 - 30 / 50 / 1 / 2 / 3 / 4 / 58           O 11/5 - 30 / 50 / JFG frame rate wil			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio C Audio M Authen Total B	ted OS '4 ted Browser ted Browser ted Browser ted Browser ted Browser ted Bit Rate/Client Image Quality (constant bi nateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acide ted Bit Rate ted Bit Rat	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 11 (32 bit), Mindows® Internet Explorer® 10 (32 bit),           Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit),           Windows® Internet Explorer® 2 (32 bit), Safar', Google Chroner', Mozilla Firefox*           "with limitations in the part of setting screen           10Base-T / 10DBase-TX, RJ45 connector           •1.3 mega pixel [16: 9] (30 fps)           1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3mega pixel [16: 9] (30 fps)           1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3mega pixel [16: 9] (30 fps)           1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR           1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps           64 / 128 / 256 / 384 / 122 / 158 / 10.24 / 158 / 2.048 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.386 / 16.384 / 20.480 / 24.576 / 30.702 / 40.960 / kbps           Low(Motion priority) / Normal / Fine(Image quality priority)           On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)           0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s           Unicast / Multicast           10 steps           0.1 fps - 30 fps (PEG frame rate will be restricted when displaying both JPEG and H264 images.			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio C Audio M Authen Total B	ted OS '4 ted Browser ted Browser ted Browser ted Browser ted Browser ted Bit Rate/Client Image Quality (constant bi nateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acide ted Bit Rate ted Bit Rat	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 1, Microsoft® 10, G2 bit, Windows® Internet Explorer® 3, G2 bit, Windows® Internet Explorer® 4, G2 bit, Windows® Internet Explorer® 4, G2 bit, Windows® 1, Microsoft® Windows 2, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® 1, Microsoft® Windows® 1, Microsoft®			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio 0 Audio 0 Audio 1 Audio 1 Audio 1 Suppor	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constart bit rateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde iccation for Audio t Rate ted Protocol	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 9 (32 bit), Safari, Google Chrome', Mozilla Firefox' with limitations in the part of setting screen           10Base-T / 10DBase-TX, RJ45 connector         •           •1.3 mega pixel [6 • 9] (30 (60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3 mega pixel [6 • 3] (30 (60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3 mega pixel [6 • 3] (30 (60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90           •1.3 mega pixel [6 • 3] (30 (60 fps)         1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / 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 / 1,538 / 2,048 / 3,072 / 40,960 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 6,144 / 8,192 / 10,25 / 0,33 / 0,5 / 1 / 2 / 3 / 4 / 58           Low(Mid / High) / Off (Only when "Variable bit rate" is selected)         0.2 / 0,25 / 0,33 / 0,5 / 1 / 2 / 3 / 4 / 58           On (Low / Mid / High) / Off (Only when "Vari			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio C Audio M Authen Total B	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constart bit rateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde iccation for Audio t Rate ted Protocol	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows Vista®           Microsoft® Windows® 7, Microsoft® Windows Vista®           Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 10 (32 bit),           Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),           Windows® Internet Explore® 9 (32 bit), Safar*, Google Chrome*, Mozilla Firefox*           *with limitations in the part of setting screen           10Base-T / 100Base-TX, RJ45 connector           *1.3 mega pixel [16: 9] (30/60 fps)           1,280 x 720 / 640 x 380 / 320 x 180 / 160 x 90           *1.3mega pixel [4: 3] (30 fps)           1,280 x 720 / 640 x 380 / 320 x 180 / 160 x 90           *1.3mega pixel [4: 3] (30 fps)           1,280 x 720 / 640 x 380 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120           Constant bit rate / Variable bit rate / 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 / 12,286 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / kbps           Low(Motion priority) / Normal / Fine(Image quality priority)           On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)           0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s           Unicast / Multicast           10 st			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio 0 Audio 0 Audio 1 Audio 1 Audio 1 Suppor	ted OS '4 ted Browser k IF tesolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constart bit rateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde iccation for Audio t Rate ted Protocol	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 2 (32 bit), Safar', Google Chrone*, Mozilla Firefox* ***********************************			
Network	Suppor Suppor Suppor Image F H.264 '5 JPEG Audio C Audio C Audio C Audio C Suppor	ted OS '4 ted Browser ited Browser ited Browser ited Browser ited Browser iter Base Base Base Base Base Base Base Base	Microsoft® Windows® 10, Microsoft® Windows® 11, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 9 (32 bit), Safari, Google Chrome', Mozilla Firefox' "with limitations in the part of setting screen 10Base-T / 100Base-TX, FJ45 connector <b>113.mega pixel [16 : 9] (30/60 fps)</b> <b>1.280</b> x 720 / 640 x 360 / 320 x 180 / 160 x 90 <b>•1.3mega pixel [16 : 9] (30/60 fps)</b> <b>1.280</b> x 720 / 640 x 360 / 400 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR <b>1</b> / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps <b>1</b> / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps <b>1</b> / 0.24 / 12.286 / 484 / 14.236 / 16.384 / 20.480 / 24.576 / 30.727 / 40.960 / 6,144 / <b>8</b> ,192 / 10.240 / 12.288 / 14.336 / 16.384 / 20.480 / 24.576 / 30.727 / 40.960 / 6,144 / <b>8</b> ,192 / 10.240 / 12.288 / 14.336 / 16.384 / 20.480 / 24.576 / 30.727 / 40.960 / 6,144 / <b>8</b> ,192 / 10.240 / 12.288 / 14.336 / 13.384 / 20.480 / 24.576 / 30.727 / 40.960 / 6,144 / <b>8</b> ,192 / 10.240 / 12.288 / 14.336 / 13.384 / 20.480 / 24.576 / 30.727 / 40.960 / 6,144 / <b>8</b> ,192 / 10.240 / 12.288 / 14.386 / 14.384 / 20.480 / 24.576 / 30.727 / 40.960 / 8,192 Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) <b>0</b> , 27.025 / 0.33 / 0.5 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps <b>0</b> / 159 - 30 fg (JPEG frame rate will be restricted when displaying both JPEG and H264 images. Puil / Push <b>6</b> , 726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Haif duplex) / Interactive (Fuil duplex) Level 1 onty / Level 2 higher / All users <b>6</b> / 128 / 256 / 384 / 512 / 768 / 1024 / 2,048 / 4,069 / 8,192 kbps / Unlimited IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SNMP, DHCP, DNS, DDNS, NTP, SNMP, QP-P, IGMP, ICMP, ICMP,			
Network	Suppor Suppor Image F H.264 '5 JPEG Audio Q Audio Q Audio Q Audio Q Audio Q FTP Cil No. of S	ted OS '4 ted Browser k IF ted Browser Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde ication for Audio t Rate ted Protocol ent imultaneous Users	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Safari, Google Chrome*, Mozilla Firefox* with limitations in the part of setting screen 10Base-T / 10DBase-TX, RJ45 connector •1.3 mega pixel [ 16 • 3] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [ 16 • 3] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [ 16 • 3] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 /320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 7458 / 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 Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 0.5 / 1 / 2 / 3 / 4 / 58 Unicast / Multicast 10 steps 0.1 fps - 30 fs.(JPEG frame rate will berestricted when displaying both JPEG and H284 images; Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC 0/f // Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 151 / 768 / 1.024 / 1.384 / 4.096 / 8,192 kbps / Unimited IPv : TCP/P, UDP/P, HTTP, HTTPS, RTSP, RTP, RTP, RTP, RMP, DHCPv6, RTP, MLD, ICMP, ARP IPv4 : TCP/P, UDP/P, HTTP, SMTP, SMMP, DNS, NTP, SMMP, DHCPv6, NTP, Pittros, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCPv6, RTP, Pittros, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCPv6, NTP, Pittros, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCPv6, NTP, Pittros, SNTP, SNMP, UPAP, ICMP, APA Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXC/SDHC/SD memory card is available). Upt to 14 users (Depends on			
Network	Suppor Suppor Suppor Image F H.264 '5 JPEG Audio C Audio N Authen Total B Suppor	ted OS '4 ted Browser k IF ted Browser Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constart bi rateBast effort) Smart Coding mode Refresh interval Transmission Type Smart Coding mode Image Quality Refresh interval Transmission Type Compression fode ication for Audio t Rate ted Protocol ent imultaneous Users DHC/SD	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 9 (32 bit), Safar', Google Chrome*, Mozilla Firefox* with limitations in the part of setting screen 10Base-T / 10DBase-TX, RJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16 : 9] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16 : 3] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR 1 / 37 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 748 / 1.024 / 1.584 / 2.0484 / 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 Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 61 / 128 / 256 / 384 / 512 / 768 / 1,024 / 13,64 / 20,488 / 30,480 / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2.048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SHTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SHTP, RTP/RTCP-FTP, SMTP, DHCPv6, RTP, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP/RTCP-FTP, SMTP, DHCPv6, NTP, SNDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXC/SDHC/SD memory card is available). Up to 14 users (Depends on network conditions)			
Network	Suppor Suppor Suppor Image F H.264 '5 JPEG Audio I Auther Suppor FTP Cil SDXC/X Memor	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit nateBest effort) Smart Coding mode Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Aode ication for Audio t Rate ted Protocol ent imultaneous Users SDHC/SD ( Card (Option))	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox' with limitations in the part of setting screen 10Base-T / 100Base-TX, FJ45 connector •1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16: 9] (30/60 fps) 1,280 x 960 x 800 x 600 / 440 x 400 x 300 /320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Low(Motion priority) / Normal / Finer(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fs (JPEG frame rate will be restricted when displaying both.JPEG and H264 images. Puil / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off // Mic (Line) input / Audio output / Interactive (Haif duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 786 / 1.024 / 1.204 / 4.096 / 8.192 kbps / Unlimited II/s - 30 fs UPD/IP, HTTP, HTTPS, FTP, STP, RTP, RTP/RTCP, FTP, SMTP, DHCP, NS, DDNS, NTP, SNMP, UPNP, IGMP, IGMP, ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXC/SDI/CSD memory card is available). UP to 14 users (Depends on network conditions) H.264 recording : H264 recording :			
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Network	Suppor Suppor Suppor Image F H.264 '5 JPEG Audio N Authen Suppor FTP Cii SDXC//3 Memor 'SDXC//3	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bi rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression fode ted Protocol ent imultaneous Users SDHC/SD C Card (Option) curved by Panasonic ed class 4 or higher)	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Mindows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox' * with limitations in the part of setting screen 10Base-T / 10DBase-TX, RJ45 connector • 1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 1.3mega pixel [16 : 9] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 1.3mega pixel [16 : 3] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 1.3mega pixel [16 : 3] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 1536 / 2048 / 3072 / 4,096 / 6,144 / 8,192 / 10240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960*kbps Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 61 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SMMP, DHCP6, RTP, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SMMP, DHCP6, RTP, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP, RTP/RTCP, FTP, SMTP, DHCP6, RTP, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP6, NS, DDNS, NTP, SNMP, UP-N, IGMP, ICMP, ARP Alarm image trasmission, FTP periodic trasmission (When the FTP trasmission is failed, backup on an optional SDXC/SDHC/SD memory card is available.) Up to 1 4 users (Depends on network conditions) HL264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure Compatible(JPEG only) JPEG recording :			
Network	Suppor Suppor Suppor Image F H.264 '5 JPEG Audio N Authen Suppor FTP Cii SDXC//3 Memor 'SDXC//3	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bi rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression fode ted Protocol ent imultaneous Users SDHC/SD C Card (Option) curved by Panasonic eclass 4 or higher) SD memory card that with UHS-1	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox' with limitations in the part of setting screen 10Base-T / 100Base-TX, FJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16 : 9] (30/60 fps) 1.280 x 960 / 800 x 800 / 400 x 430 / 400 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Viariable bit rate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 0.2 / 0.25 / 0.38 / 10.24 / 1.336 / 20.48 / 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 Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 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 berestricted when displaying both.JPEG and H264 images. Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off // Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1.024 / 2.048 / 4.096 / 8,192 kbps / Unlimited IPv6 : TCP/IP, UDP/IP, HTTP, RTTPS, RTP, RTP, RTP, RTP, RTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPNB, IGMP, IGMP, APP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXC/SDL/CSD memory card is available). Up to 14 users (Depends on network conditions) H.264 recording :			
Network	Suppor Suppor Suppor Image F H.264 '5 JPEG Audio C Audio M Authen Total B Suppor FTP Cil No. of S Suppor 'Use the complete 'Use the complete ' ' Complete ' ' ' Complete ' Com	ted OS '4 ted Browser ited Bit Rate/Client Image Quality (Constart bit rateBast effort) Smart Coding mode Refresh interval Transmission Type Smart Coding mode Image Quality Refresh interval Transmission Type Compression Inage Quality Refresh interval Transmission Inage Quality Refresh interval Inage Quality Inage Quality Inage Quality Inage Quality Inage Quality Inage	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 12 (32 bit), Mindows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 12 (32 bit), Safari, Google Chrome', Mozilla Firefox' "with limitations in the part of setting screen 10Base-T / 10DBase-TX, RJ45 connector •1.3 mega pixel [16 : 9] (30 (ho6 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16 : 9] (30 (ho6) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 300 / 320 x 240 / 160 x 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 4 / 128 / 256 / 344 / 521 / 748 / 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 Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 17 / 2 / 3 / 4 / 5s Unicast / Muticast 10 steps 0.1 fps - 30 (ps (JPEG frame rate will be restricted when displaying both JPEG and H284 images. PUI / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Haif duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / Ali users 64 / 128 / 256 / 384 / 512 / 768 / 1.024 / 1.534 / 4.096 / 8.192 kbps / Unlimited IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, SMTP, DNS, NTP, SMMP, DHCPv6, RTP, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP/RTCP, FTP, SMTP, DHCPv6, RTP, MLD, ICMP, ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXC/SDHC/SD memory card is available). U pt 0 1 4 users (Depends on network conditions) H 264 recording : Manual REC / Alarm REC (Pre/Post) / Sch			
Network	Suppor Suppor Suppor Image F H.264 '5 JPEG Audio C Audio M Authen Total B Suppor FTP Cil No. of S Suppor 'Use the complete 'Use the complete ' ' Complete ' ' ' Complete ' Com	ted OS '4 ted Browser k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bi rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression fode ted Protocol ent imultaneous Users SDHC/SD C Card (Option) curved by Panasonic eclass 4 or higher) SD memory card that with UHS-1	Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8 Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 9 (32 bit), Safar', Google Chrome', Mozilla Firefox' with limitations in the part of setting screen 10Base-T / 10DBase-TX, FJ45 connector •1.3 mega pixel [16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3mega pixel [16: 9] (30/60 fps) 1.280 x 960 x 800 x 600 / 440 x 400 x 300 /320 x 240 / 160 x 120 Constant bit rate / Viariable bit rate / Framerate pirotity / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 200 30 / 60 fps Low(Motion priority) / Normal / Fine(Image quality priority) On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 55 Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will berestricted when displaying both.JPEG and H264 images. Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC 0/f./Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1.024 / 1.268 / 4.096 / 8.192 kbps / Unlimited IPv6 : TCP/IP, UDP/IP, HTTP, RTTPS, RTP, RTP, RTP, RTP, RTP, MTP, DMCP, DNK, NTP, SMMP, DHCPv6, RTP, MLD, ICMP, ARP IPv4 : LO2P/IP, UDP/IP, HTTP, RTSP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPN, IGMP, IGMP, ARP Alarm image transmission, FTP periodic transmission (When the FTP transmission is failed, backup on an optional SDXC/SDUCKSD memory card is available). Up to 14 users (Depends on network conditions) H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure Compatible(JPEG only) JPEG recording			

Network	Employment of two SD cards	Dual Recording for Redundancy
		Series Recording for long time JPEG image, AUX control (by access level)
	Cellular Phone Compatibility	
	Mobile Terminal Compatibility	iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android <sup>™</sup> mobile termina
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	Alarm / VMD / Access permission / H.264 recording / Scene file
Input/	Monitor Output	VBS : 1.0 V [p-p]/75 Ω, composite, RCA jack
Output	(for adjustment)	An NTSC or PAL monitor can be connected to the camera
		(use the selector switch or software to select the monitor type).
	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-
	EMS	FCC (Part15 ClassA), ICES003 ClassA, EN55022 ClassB, EN55024
	Power Source and	WV-SPW611L:
	Power Consumption	When IR LED is On
		DC power supply : 12 V DC / 1080 mA / Approx. 12.9 W
		PoE (IEEE802.3af compliant) : 48 V DC / 360 mA / Approx. 12.95 W* (Class 0 device
		WV-SPW611:
		DC power supply : 12 V DC / 670 mA / Approx. 8.1 W
		PoE (IEEE802.3af compliant) : 48 V DC / 230 mA / Approx. 11.1 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	-40 °C to +50 °C (-40 °F to 122 °F)
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible,
		Type 4X(UL50), NEMA 4X compliant
	Dimensions	94 mm (W) x 89 mm (H) x 226 mm (L)
	* Installing using the base bracket	{3-3/4 inches (W) x 3-1/2 inches (H) x 8-7/8 inches (L)}
	Mass (approx.)	1.4 kg {3.09 lbs.}
	Finish	Main body : Aluminum die cast, light gray
		Front cover section clear part : Clear polycarbonate resin

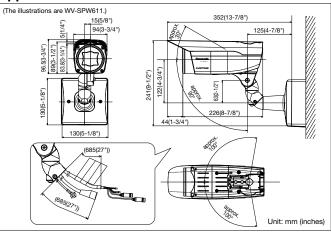
Front cover section clear part : Clear polycarbonate resin

I ront cover section clear part : Clear polycarbonate resin
 '' WV-SPW611L only \*2 Converted value
 ''3 Super Dynamic function is automatically set off on 60 fps mode.
 ''4 Refer to \*Notes on Windows Vista® / Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10° on
 the provided CD-ROM for further information about system requirements for a PC and precautions when
 using Microsoft\* Windows® 10 or Microsoft\* Windows® 8.1 or Microsoft\* Windows® 8 or
 Microsoft\* Windows® 7 or Microsoft\* Windows® 8.1 or Microsoft\* Windows® 8 or
 Microsoft\* Windows® 10 or or Vista®.
 ''5 Transmission for 4 streams can be individually set.

### Part Names and Functions



#### Appearance



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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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