

360-degree Super Dynamic Vandal Resistant Dome Network Camera

WV-SW458 WV-SW458MA



360-degree Vandal Resistant Network Camera featuring Super Dynamic

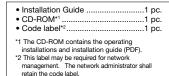
Key Features

- 360° monitoring with a wide variety of transmission modes:
 Panorama, Double Panorama, Quad PTZ, Single PTZ, and Quad streams (H.264/VGA)
- 1080p Full HD images up to 30 fps.
- Combining enhanced "UniPhier[®]", Panasonic's proprietary System LSI platform and 2 areas VIQS (Variable Image Quality on Specified area) function can decrease maximum 50% network bandwidth.
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by enhanced "UniPhier".
- Smooth PTZ operation without mechanical action
- Built-in distortion correction function
- A fisheye lens control function realizes intelligible screen operation intuitively.
- Smartphone monitoring : Direct camera control from smartphone
- Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- High sensitivity with Day/Night (Electrical) function: 1.5 lx (Color), 1.2 lx (B/W) at F2.4
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various conditions.

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- With the Intelligent Resolution technology, 3 areas outlines, detailed texture areas and soft gradation areas are automatically detected and optimum signal processes are performed to each area. Apart from the uniform enhancement of sharpness, the innovative technology Intelligent Resolution precisely performs signal processing pixel by pixel in the most effective way for it. As a result, images are naturally clear and crisp suitable for all surveillance applications.
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Superior color reproduction by primary (RGB) color filter.
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Indoor scene (50 Hz) / Indoor scene (60 Hz) / ELC (maximum exposure time)
 - Indoor scene (50 Hz/60Hz): Flicker caused by fluorescent lightning will be automatically compensated.
- ELC (maximum exposure time): The lightning control will be automatically performed by adjusting shutter speed in the range of ELC.
- VMD (Video Motion Detector) with 4 programmable detection areas,
 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 4 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, HTTP notification, and Panasonic 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.
- SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Internet mode: H.264 images can be transmitted over HTTP protocol.
- Multi-language: English / İtalian / French / German / Spanish / Portuguese / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard, Type 4X(UL50), NEMA 4X compliant.
- Dehumidification device for use in various weather conditions
- Operating temperature -40 °C to +50 °C (-40 °F to 122 °F)
- Vandal resistant mechanism for high reliability
- "Railway applications Electronics equipment used on rolling stock" compatible with EN50155-T3, EN50121, ECE-R10, EN45545, EN50498
- Low profile design for discrete installation
- Onvif compliant model
- *1 Compared with WV-NP502, reduction effect is decreased by object and image quality setting conditions

Standard Accessories



The following is used during installation procedures: • Camera attachment 1 pc. • Base cover <\$W458> 1 pc. • Mount bracket <\$W458> 1 pc. • Installation template label <\$W458MA>

Optional Accessories



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



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



(Use when installing the WV-SW458/SW458MA using the WV-Q122A.)

Specifications

TV System Camera					
Camera	1		NTSC PAL		
	Image Se	ensor	1/3 type MOS image sensor		
	Effective		Approx. 3.1 mega pixels		
	Scanning		Progressive		
	Scanning		4.51 mm (H) × 3.38 mm (V) {3/16 inches (H) x 1/8 inches (V)}		
		n Illumination			
	iviinimum	1 illumination	Color: 1.5 lx (F2.4, Auto slow shutter: Off (1/30s), Gain: On(High))		
			Color: 0.1 lx (F2.4, Auto slow shutter: Max. 16/30s, Gain: On(High)) *1		
			BW: 1.2 lx (F2.4, Auto slow shutter: Off (1/30s), Gain: On(High))		
			BW: 0.08 lx (F2.4, Auto slow shutter: Off (16/30s), Gain: On(High)) *1		
	White Balance		AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)		
			Indoor scene (50 Hz / 60 Hz) / ELC		
	Light Control Mode Shutter Speed				
	Shutter S	speea	With Super Dynamic On		
			ELC (1/30 s)		
			With Super Dynamic Off		
			ELC (1/30 s), ELC (3/100 s), ELC (3/120 s), ELC (2/100 s), ELC (2/120 s), ELC (1/100 s), ELC (1/120 s),		
			ELC (1/250 s), ELC (1/500 s), ELC (1/1,000 s), ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/10,000 s)		
	Super Di	mamia	On / Off		
	Super Dynamic				
	Dynamic Range Adaptive Black Stretch		52 dB typ. (only when Super Dynamic : On)		
			On / Off (only when Super Dynamic : Off)		
	AGC		On (High) / On (Mid) / On (Low) / Off		
	Electronic Sensitivity UP Day & Night (Electrical) Digital Noise Reduction		Off (1/30 s), Max. 2/30 s, Max. 4/30 s, Max. 6/30 s, Max. 10/30 s, Max. 16/30 s		
			Off / Auto		
			High / Low		
	Video Motion Detection		On / Off, 4 areas available		
	Auto mode		Auto pan/ Preset sequence		
			Auto mode can only be used when the image type is Quad PTZ or Single PTZ.		
	Self return		10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min		
			Self return can only be used when the image type is Quad PTZ or Single PTZ.		
	Privacy Zone				
		LUITE	On / Off (up to 4 zones available)		
	VIQS		On / Off (up to 2 areas available)		
			However, the VIQS function is not supported when "Quad PTZ", Single PTZ" or "Quad streams" are selected		
	Camera	Title (OSD)	Up to 20 characters (alphanumeric characters, marks) , On/Off However, you can specify		
			characters to be displayed on each of the four screens when "Quad streams" is selected.		
Lens	Focal Le	nath	0.837 mm		
			Horizontal: 182 °, Vertical: 176 °		
	Angular Field of View Maximum Aperture Ratio		1 : 2.4 (Fixed)		
	Focusing Range		0.3 m - ∞		
Browser	Camera		Pan/Tilt/Digital Zoom, Preset, Auto Mode, Self Return, Fisheye Control, Brightness, AUX On / Off		
GUI	Display N	√lode	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 Zo	oom	1x, 2x, 4x controlled by browser GUI (Panorama, Double Panorama, Fisheye mode)		
	Digital 20011		1x - 4x (Quad PTZ or Single PTZ mode)		
	Camera Title		Up to 20 alphanumeric characters		
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)		
	Alarm Co	ontrol	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		
	, tudio				
			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), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs		
	Supported OS *2 *3		Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7,		
	Supported OS 2 9		Microsoft® Windows Vista®, Microsoft® Windows® XP SP3		
	Cupporte	ad Drawaar			
	Supporte	ed Browser	Windows® Internet Explorer®11 (32 bit), Windows® Internet Explorer®10 (32 bit),		
			Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit),		
			Windows® Internet Explorer® 7 (32 bit), Microsoft® Internet Explorer® 6 SP3		
Network	Network IF	WV-SW458	10Base-T / 100Base-TX, RJ45 connector (female)		
		WV-SW458MA	10Base-T / 100Base-TX, M12 connector (female)		
	Image	2 M Panorama [16:9]/	H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps		
	Resolution		H 264(2): 640 x 360 / 320 x 180 up to 30 fps		
	Resolution *4	2 M Double	H.264(2): 640 x 360 / 320 x 180, up to 30 fps		
		2 M Double Panorama [16:9]	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps		
		2 M Double Panorama [16:9] 1 M Panorama [16:9]/	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps		
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		2 M Double Panorama [16:9] 1 M Panorama [16:9]/	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps		
		2 M Double Panorama [16:9] 1 M Panorama [16:9]/ 1 M Double	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps		
		2 M Double Panorama [16:9] 1 M Panorama [16:9]/ 1 M Double Panorama [16:9] Panorama + Quad PTZ/	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama"		
		2 M Double Panorama [16:9] 1 M Panorama [16:9]/ 1 M Double Panorama [16:9] Panorama + Quad PTZ/ Panorama + Single PTZ/	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps		
		2 M Double Panorama [16:9] 1 M Panorama [16:9]/ 1 M Double Panorama [16:9] Panorama + Quad PTZ/ Panorama + Single PTZ/ Double Panorama +	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps		
		2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama + Quad PTZ/ Panorama + Single PTZ/ Double Panorama + Quad PTZ/	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps When using distribution of "Quad PTZ" or "Single PTZ"		
		2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama + Quad PTZ/ Panorama + Single PTZ/ Double Panorama + Quad PTZ/ Double Panorama +	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Ouad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps		
		2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama + Quad PTZ/ Panorama + Single PTZ/ Double Panorama + Quad PTZ/ Double Panorama + Single PTZ	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps		
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		2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 15:09 Panorama 15:09 Panorama 4 Nuad PTZ/ Double Panorama + Ouad PTZ/ Double Panorama + Single PTZ VGA Quad streams	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + When using distribution of "Quad PTZ" or "Single PTZ" - When using distribution of "Quad PTZ" or "Single PTZ" - CBU 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps *Only for H.264 images. There are specification limitations such as the SD memory card function being unavailable.		
		2 M Double Panorama [16:9] M Panorama [16:9] M Panorama [16:9] Panorama 10:04 PT// Panorama - Voud PT// Panorama - Single PT// Double Panorama + Single PT// Double Panorama + Single PT// VGA Quad Streams 3 M Fisheye [4:3]	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps • Only for H.264 images. **There are specification limitations such as the \$0 memory card function being unavailable. H.264(1): 1280 x 960, pt to 15 fps JPEG: 2048 x 1536, up to 15 fps		
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	*4	2 M Double Panorama [16:9] M Panorama [16:9] M Panorama [16:9] Panorama 10:04 PT// Panorama - Voud PT// Panorama - Single PT// Double Panorama + Single PT// Double Panorama + Single PT// WGA Quad PT// VGA Quad Streams 3 M Fisheye [4:3]	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps • Only for H.264 images. **Three are speciation limitations such as the \$0 memory card function being unavailable. H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 980 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 480 / 480 / 320 x 240, up to 30 fps		
		2 M Double Panorama [16:9] H Panorama [16:9] M Panorama [16:9] M Double Panorama [16:9] Panorama 1 Vaud PTZ/ Panorama + Single PTZ/ Double Panorama + Single PTZ VGA Quad Streams 3 M Fisheye [4:3] Transmission Mode	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps *Only for H.264 images. *There are specification limitations such as the \$0 memory card function being unavailable. H.264(1): 1280 x 960, up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR		
	*4	2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (6:9) Panorama 1 (6:9) Panorama 1 (6:9) Panorama 4 (0:4) Panorama 4 (0:4) Use PIZ VGA Quad streams 3 M Fisheye [4:3] 1.3 M Fisheye [4:3] Transmission Mode Frame Rate	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1290 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Through the separation of "Quad PTZ" or "Single PTZ" - Ch1-Ch4 640 x 480 max.30 fps Only for H.264 images. There are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps		
	*4	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 10:01 Panorama 1 Single PTZ/ Panorama - Single PTZ/ Double Panorama + Single PTZ/ UGAP PTZ/ VGA Quad Streams 3 M Fisheye [4:3] I.3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Cilient	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + When using distribution of "Quad PTZ" or "Single PTZ" - When using distribution of "Quad PTZ" - When using distribution of "Quad PTZ" -		
	*4	2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (6:9) Panorama 1 (6:9) Panorama 1 (6:9) Panorama 4 (0:4) Panorama 4 (0:4) Use PIZ VGA Quad streams 3 M Fisheye [4:3] 1.3 M Fisheye [4:3] Transmission Mode Frame Rate	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + 1264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Through the separation of "Quad PTZ" or "Single PTZ" - 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Through the separation of "Quad PTZ" or "Single PTZ" - 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Three are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps		
	*4	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 10:01 Panorama 1 Single PTZ/ Panorama - Single PTZ/ Double Panorama + Single PTZ/ UGAP PTZ/ VGA Quad Streams 3 M Fisheye [4:3] I.3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Cilient	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + When using distribution of "Quad PTZ" or "Single PTZ" - When using distribution of "Quad PTZ" - When using distribution of "Quad PTZ" -		
	*4	2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Panorama [16:9] Panorama 1 (6:9) Panorama 1 (6:9) Panorama 1 (6:9) Panorama 1 (6:9) Panorama 2 (0:9) Double Panorama 4 Quad PTZ/ VGA Quad streams 3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + L264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + L264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps *Only for H.264 images. *There are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 , up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Gonstant Ditrate / Framerate priority / Bets effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 6√182 85/834/1527/81/1024/1,536 / 2048/3072/4,096 / 8,192/10240/1228/14,336 ktps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s		
	*4 H.264	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 10:04 PTI/ Panorama - Voud PTI/ Panorama - Single PTZ/ Double Panorama + Single PTZ/ Double Panorama + Single PTZ/ WGA Quad PTZ/ VGA Quad Streams 3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1290 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + When using distribution of "Quad PTZ" or "Single PTZ" Only for H.264 w 360 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps Only for H.264 images. There are specification limitations such as the \$0 memory card function being unavailable. H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Low / Normal / Firmerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fps 6 / 128 / 586 / 384 / 512 / 786 / 1,024 / 1,556 / 204 / 30 fps Low / Normal / Firme Unicast / Multicast		
	*4	2 M Double Panorama [16:9] Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 Voud PTZ/ Panorama 4 Single PTZ/ Double Panorama + Single PTZ VGA Quad Streams 3 M Fisheye [4:3] 1.3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps • Only for H.264 images. *There are specification limitations such as the \$0 memory card function being unavailable. H.264(1): 1280 x 960, up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps ⊌/128 / 258 / 384 / 1512 / 188 / 1,024 / 1,024 / 1,024 / 1,288 / 1438 / 1,024 / 1,0		
	*4 H.264	2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (3:9) Panorama 1 (3:9) Panorama 2 (3:9) Double Panorama 4 Quad PTZ/ VGA Quad Streams 3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Refresh Interval	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1290 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Thr-Ch4 640 x 480 max.30 fps • Only for H.264 images. *There are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 , up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 x 960 x 960 x		
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	H.264	2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (3:9) Panorama 1 (3:9) Panorama 2 (3:9) Double Panorama 4 Quad PTZ/ VGA Quad Streams 3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Refresh Interval	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1290 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Thr-Ch4 640 x 480 max.30 fps • Only for H.264 images. *There are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 , up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 850 x 960 x 960 x 960 x		
	H.264 JPEG Audio Co	2 M Double Panorama [16:9] Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (20:9) Panorama 1 (20:9) Panorama 2 (20:9) Panorama 4 (20:9) Usanorama 1 (20:9) Usanorama 2 (20:9) Usa	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(2): 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps *Only for H.264 images. *There are specification limitations such as the 50 memory card function being unavailable. H.264(1): 1280 x 960, up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG: 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG: 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG: 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Unionatant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps JPEG: 381/512/786/J.041/158/12/86/8.392/10240/12288/14,336 kpg Low/ Normal / Fine D.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s Unicast / Multicast Unicast / Multicast G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps		
	H.264 JPEG Audio Cc Audio M	2 M Double Panorama [16:9] 1 M Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (20:9) Panorama 1 (20:9) Panorama 1 (20:9) Panorama 2 (20:9) Panorama 3 (20:9) Panorama 4 (20:9) Usa PTZ VGA Quad Streams 3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Organical Streams 1 (20:9) Panorama 1 (20:9) Panorama 2 (20:9) Panorama 3 (20:9) Panorama 4 (20:9) Panorama 5 (20:9) Panorama 4 (2	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + 1264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + 1264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + 1264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps • Only for H.264 images. *There are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 , up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Gonstant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 6/1/28/ 285/ 384/152/781/1024/1,356 /204/3072/4,096 /8/192/10240/12288/14,356 kpps Unicast / Multicast 10 steps 0.1 fps - 30 fps Pull / Push 0.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Off/ Mic (Line) inpul / Audio output / Interactive (Full duplex)		
	H.264 JPEG Audio Co Audio Co Authentic	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 1 (16:9) Panorama 1 (16:9) Panorama 2 Single PTZ Double Panorama 4 Single PTZ USA Quad PTZ VGA Quad PTZ VGA Quad Streams 3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Reffresh Interval Transmission Type Transmission Transmission Ty	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1290 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + L264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps H.264(1): 1280 x 960 up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to		
	H.264 JPEG Audio Cc Audio M Authentic Total Bit	2 M Double Panorama [16:9] Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (20:9) Panorama 1 (20:9) Panorama 1 (20:9) Panorama 2 (20:9) Panorama 4 (20:9) Usanorama 1 (20:9) Usanorama 2 (20:9) Usan	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps • Only for H.264 images. *There are specification limitations such as the S0 memory card function being unavailable, H.264(1): 1280 x 960, up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Gonstant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 84 / 128 / 256 / 384 / 1512 / 788 / 1,024 / 1,284 / 158 / 10,240 / 12,288 / 14,336 kbps Lown / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s Unicast / Multicast 0 oft/ Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps 0ff/ Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)		
	H.264 JPEG Audio Cc Audio M Authentic Total Bit	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 1 (16:9) Panorama 1 (16:9) Panorama 2 Single PTZ Double Panorama 4 Single PTZ USA Quad PTZ VGA Quad PTZ VGA Quad Streams 3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Reffresh Interval Transmission Type Transmission Transmission Ty	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps *Only for H.264 images. *There are specification limitations such as the 50 memory card function being unavailable. H.264(1): 1280 x 960, up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Gonstant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 84 / 128 / 256 / 384 / 1512 / 788 / 1,024 / 1,358 / 2,048 / 3,072 / 4,086 / 8,192 / 10,240 / 12,288 / 14,336 kpp. LUOW / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s Unicast / Multicast 0 steps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps		
	H.264 JPEG Audio Cc Audio M Authentic Total Bit	2 M Double Panorama [16:9] Panorama [16:9] 1 M Panorama [16:9] 1 M Double Panorama [16:9] Panorama 1 (20:9) Panorama 1 (20:9) Panorama 1 (20:9) Panorama 2 (20:9) Panorama 4 (20:9) Usanorama 1 (20:9) Usanorama 2 (20:9) Usan	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 12920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Only for H.264 images. *There are specification limitations such as the SD memory card function being unevallable. H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 820 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 826 x 384 / 1527 / 152 / 1204 / 3072 / 4,067 / 8,192 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 1692 / 10,240 / 12,286 / 14,386 / 16		
	H.264 JPEG Audio Cc Audio Mauthentic Total Bit Supporte	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 1 (16:9) Panorama 1 (16:9) Panorama 1 (16:9) Panorama 2 (16:9) Panorama 3 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 5 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 5 (16:9) VGA Quad Streams 3 M Fisheye [4:3] 1.3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Refresh Interval Imansinision Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Ode cation for Audio Rate ed Protocol	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama' H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + L264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" + L264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Thro-Ch4 640 x 480 max.30 fps • Only for H.264 images. There are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 64 / 128 / 586 / 344 / 512 / 786 / 1,024 / 1,338 / 1,924 / 1,024 / 1,238 / 1,338 ktps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s Unicast / Multicast 10 steps 0.1 fps - 30 fps Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Off Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 334 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited Here Totale (John Hitt Hittps, Hitt, Rith Rith Rither Rith Rith Rither Rither Rith Rither		
	H.264 JPEG Audio Cc Audio M Authentic Total Bit	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 1 (16:9) Panorama 1 (16:9) Panorama 1 (16:9) Panorama 2 (16:9) Panorama 3 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 5 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 5 (16:9) VGA Quad Streams 3 M Fisheye [4:3] 1.3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Refresh Interval Imansinision Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Ode cation for Audio Rate ed Protocol	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama" H.264(1): 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps H.264(1): 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps JPEG : 1280 x 960 / 640 x 480 / 320 x 240, up to 30 fps Gonstant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 6/128/58/38/1512/786/1,041/358/2,048/3,072 / 406/8,192 / 10240/12,288/14,336 kps Low/ Normal / Fine D.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s Unicast / Multicast Unicast / Multicast Unicast / Multicast Graph (Line) input / Audio output / Interactive (Falf duplex) / Interactive (Full duplex) G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G/726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps		
	H.264 JPEG Audio Cc Audio M. Authentic Total Bit Supporte FTP Clie	2 M Double Panorama [16:9] In M Panorama [16:9] In M Panorama [16:9] Panorama 1 (16:9) Panorama 1 (16:9) Panorama 1 (16:9) Panorama 2 (16:9) Panorama 3 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 5 (16:9) Panorama 4 (16:9) Panorama 4 (16:9) Panorama 5 (16:9) VGA Quad Streams 3 M Fisheye [4:3] 1.3 M Fisheye [4:3] Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Refresh Interval Imansinision Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Irransmission Type Ode cation for Audio Rate ed Protocol	JPEG : 1920 x 1080 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps H.264(1): 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG : 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps • When using distribution of "Panorama" or "Double panorama H.264(1): 1290 x 1080 / 640 x 360 / 320 x 180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" • When using distribution of "Quad PTZ" or "Single PTZ" + H.264(2): 1280 x 960 / 640 x 480 / 320 x 240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" - The 1260 x 960 / 640 x 480 / 320 x 240, up to 15 fps Ch1-Ch4 640 x 480 max.30 fps • Only for H.264 images. *There are specification limitations such as the SD memory card function being unavailable. H.264(1): 1280 x 960 , up to 15 fps JPEG: 2048 x 1536, up to 15 fps H.264(2): 280 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 640 x 480 / 320 x 240, up to 30 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 240, up to 30 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 480 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 640 x 960 / 320 x 360 fps H.264(2): 680 x 960 / 320 x 360		

TV Systen	n		NTSC	PAL
Network	SDXC/SDHC/SD		H.264 recording: Manual REC / Alarm R	EC (Pre/Post) / Schedule REC
	Memory Card (Option)		JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure	
	1	,	Compatible SD (SDHC/SDXC) card: Panasonic 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB** model	
			*SDHC card, ** SDXC card (except miniSD card and microSD card)	
	Cellular Phone Compatibility		JPEG image, AUX control (by access level)	
	Mobile Terminal Compatibility		iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile terminals	
Alarm	Alarm Source		3 terminals input, VMD, Command alarm	
7	Alarm Actions		SDXC/SDHC/SD memory recording, E-mail notification, Indication on browser,	
			FTP image transfer, Panasonic protocol output, HTTP notification	
	Alarm Log		With SDXC/SDHC/SD memory card: 5,000 logs,	
			without SDXC/SDHC/SD memory card: 1,000 logs	
	Schedule		Alarm / VMD / Access permission / H.264 recording	
Input/	Microphone/Line Input		ø3.5 mm monaural mini jack, Input impedance: Approx. 2 kΩ	
Output	For microphone input			
		For line input	Input level: Approx10 dBV	
	Audio Output		ø3.5 mm stereo mini jack (monaural output),	
	/ ladio output		Output impedance: Approx. 600 Ω, Line level	
	External I/O Terminals		ALARM IN 1, ALARM IN 2(ALARM OUT), ALARM IN 3(AUX OUT) (x1 for each)	
General	Mounting method		Ceiling / Wall	
Gonorai		MC Standard	UL (UL60950-1), FCC (Part15 ClassA),	SW458
	Journey, E	ino otanaara	C-UL (CAN/CSA C22.2 No.60950-1),	CE,IEC60950-1(EN55022 ClassB,EN55024)
			DOC (ICES003 ClassA)	SW458MA
			DOO (IOLOUGO CILLOUI)	CE,IEC60950-1(EN55022 ClassA,EN55024)
	Power S	Source and	DC12V, PoE (IEEE802.3af comp	
		Consumption	DC*12 V : 540 mA / 6.5 W / PoE 48 V: 125 mA / 6.0 W (Class 2 devices)	
	I ower consumption		*FOR UL LISTED MODEL(S), ONLY CONNECT DC12 V CLASS 2 POWER SUPPLY.	
	Ambient Operating Temperature			
	Ambient Operating Humidity		Less than 90 % (no condensation)	
	Water and Dust Resistance		IP66, IEC60529 measuring standard compatible, Type 4X(UL50), NEMA 4X compliant's	
	Shock Resistance		Compliant with 50 J (IEC 60068-2-75)/IK10 (IEC 62262)	
	Railway Application		EN50155-T3, EN50121, ECE-R10, EN45545, EN50498	
	Dimensions WV-SW458		Main body: ø154 mm x 50.5 mm (H) {ø6-1/16 inches x 2 inches (H)}	
	Dimondiona	VVV-3VV430	Including the mount bracket: ø164 mm x 88 r	
			191.5 mm (W){7-17/32 inches (W)} (includin	
		WV-SW458MA	ø154 mm x 50.5 mm (H) {ø6-1/1	
	Mass	WV-SW456WA	Approx. 1.1 ka (2.43 lbs) (including the ca	
	(approx.)	WV-SW458MA		
	Finish		Approx. 0.8 kg {1.76 lbs} (including the camera attachment) Main body : Aluminum die cast, light gray	
	FILIPII		Dome section: Clear polycarbonate resin	
	1		Dome section. Clear polycarbonate resin	

- | Lome section: Crear polycar Donate 1655...

 1 Converted value

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

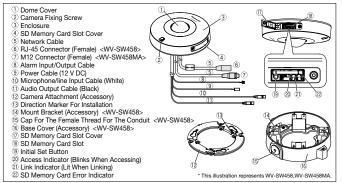
 3 When using IPv6 for communication, use Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows Vista®.

 4 Transmission for 2 streams can be individually set in the same compression method.

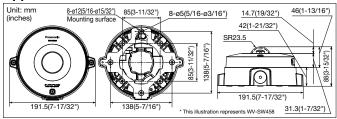
 5 Only when installation work specified in this book is properly performed and appropriate waterproof treatment is performed.

 When the camera is faced toward spot light or other bright lights and light reflecting objects, ghost image may appear.

Part Names and Functions



Appearance



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 Important

- Important
 Safety Precaution: Carefully read the operating instructions and installation manual before using this product.
 Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.
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