

Super Dynamic Full HD Dome Network Camera

WV-SFN531



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

Full HD / 1,920 x 1,080 60 fps H.264 Network Camera featuring Super Dynamic

Key Features

- 1080p Full HD images up to 60 fps*1
- Approximate 1/3 inches, high sensitivity MOS image sensor
- Super high resolution at Full HD/1,920 x 1,080 created by high sensitivity MOS image sensor.
- Multiple H.264 (High profile) streams (max. 4 streams) and JPEG streams ensure simultaneous real time monitoring and high resolution recording by enhanced "UniPhier®", Panasonic's proprietary System LSI platform.
- Maximum Screen Size is 2,048 x 1,536* @30 fps, H.264 * Used by super resolution techniques
- Enhanced Super Dynamic¹ and ABS (Adaptive Black Stretch) technologies deliver **133 dB** wider dynamic range compared to conventional cameras.
- Multi process NR & 3D-DNR ensures noise reduction in various conditions.
- High sensitivity with Day/Night (ICR*) function:
 0.07 lx (Color), 0.02 lx (B/W) at F1.6
 *ICR: IR Cut filter Removal
- ABF (Auto Back Focus) ensures easy installation.
- VIQS (Variable Image Quality on Specified area) technology allows the designated **eight areas** to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- Cropping function enables to provide whole image and the part image simultaneously. Up to 4 image capture areas can be specified, and it is also possible to control the sequence.
- Face Super Dynamic technology ensures clear face image.
- Lens distortion compensation for the distorted images can be adjusted 256 steps.
- Electronic sensitivity enhancement: Auto (Up to 16/30s) / OFF
- Selectable light control modes:
- Outdoor scene, Indoor scene (50 Hz) / Indoor scene (60 Hz), Fix shutter Indoor scene (50 Hz/60Hz): Flicker caused by fluorescent lightning will be automatically compensated.
- 3x extra optical zoom at 640 x 360 resolution
- 2x, 4x digital zoom controlled by browser
- VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDXC/SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic alarm protocol output.

- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- JPEG Image compression ratio can be changed by alarm so that higher quality image can be provided.
- Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (H.264 / JPEG). Realize long-term recording and auto backup function.
- Face detection function detects the position of human face and the information is sent by XML or video stream.(Optional)
- Can be added new intelligent extension software(Optional) in addition to built-in VMD (Video Motion Detection), alarm function.
- Fog compensation function equipped as standard.
- HLC (High Light Compensation) technology reduces strong light sources such as vehicle headlights to prevent camera being blinded.
- SCC (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
- *1 Super Dynamic function is automatically set off on 60 fps mode



Specifications

DISTRIBUTED BY:

Camera			
	Image		Approx. 1/3 type MOS image sensor
	Effective Pixels Scanning Mode		Approx. 2.4 mega pixels
			Progressive scan
	Scanning Area Minimum Illumination		5.28 mm (H) × 3.30 mm (V) {7/32 inches(H) × 1/8 inches(V) }
	WIITIITIC	minumination	Color: 0.07 kx, BW: 0.01 kx (F1.6, Maximum shutter: Max. 1/30s, Gain: On(High)) Color: 0.005 kx, BW: 0.0007 kx (F1.6, Maximum shutter: Max. 16/30s, Gain: On(High))*
	White B	Balance	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
	Light C	ontrol Mode	Outdoor scene : Automatic integration of ALC and ELC
			Indoor scene [50 Hz] : Automatic integration of ALC and ELC with flickerless
			Indoor scene [60 Hz] : Automatic integration of ALC and ELC with flickerless
	Shutter	r Speed	[2 mega pixel [16:9](60 fps mode)]
	Super Dynamic*2		Off(1/60), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000,1/10000
			Other than [2 mega pixel [16:9](60 fps mode)]
			Off(1/30), 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250,1/500, 1/1000, 1/2000, 1/4000, 1/10000 On(High) / On(Normal) / Off
		uper Dynamic	On / Off (Only when Super Dynamic : On)
		ve Black Stretch	On / Off (Only when Super Dynamic : Off)
	Fog compensation		On / Off (Only when Super Dynamic / Adaptive black stretch: Off)
	AGC		On (Low, Mid, High) / Off
	Electronic Sensitivity UP		max. 1/1000 s, max. 1/500 s, max. 1/250 s, max. 1/120 s, max. 1/100 s,
			max. 1/60 s, max. 1/30 s, max. 2/120 s, max. 2/100 s, max. 2/30 s,
			max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30 s
	Day/Night (ICR)		Off/ On/ Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Dynamic Range		133 dB typ. (Super Dynamic : On, Light Control Mode : indoor)
	Digital Noise Reduction		High / Low
	Video Motion Detection		4 areas, Sensitivity : 15 steps, Detection size : 10 steps
	Privacy Zone		Up to 8 zones
	VIQS Camera Title (OSD)		Up to 8 zones Up to 20 characters (alphanumeric characters, marks)
		Adjustment	ABF / MANUAL(Html only)
		stortion Compensation	256 steps
Lens	Vari Focal Length		2.8 - 9.5 mm {1/8 inches - 13/32 inches}
	Vari Focal Length Angular Field of View		[16 : 9 mode] Horizontal : 32° (TELE) - 110° (WIDE)
			Vertical : 18° (TELE) - 60° (WIDE)
			[4 : 3 mode] Horizontal : 27° (TELE) - 91° (WIDE)
	L		Vertical : 20° (TELE) - 66° (WIDE)
	Maxim	um Aperture Ratio	1 : 1.6 (WIDE) - 1 : 3.3 (TELE)
	Focusing Range		0.3 m - ∞
Adjusting			Horizontal: +120°(right) to -240°(left), Vertical: ±85°,
			Image tilt adjustment range: -100°(Left) to +100°(Right)
Browser	Croppi	ng	H.264(1) / H.264(2) / H.264(3) / H.264(4) / H.264(all) / JPEG(1) / JPEG(2) / JPEG(3)
gui			Up to 4 image capture areas can be specified
	Camera Control Display Mode		Brightness, AUX On / Off
			Spot, Quad : Image from 16 cameras can be displayed in 4 different Quad
	Digital		screens or 16 split screen (JPEG only). 20 characters camera title available. 1x, 2x, 4x controlled by browser GUI
	Digital Zoom Camera Title		Up to 20 alphanumeric characters
	Clock Display		Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual)
			Reset
	Alarm Control One Shot Capture		A still picture will be displayed on a newly opened window.
	Audio	iot ouptailo	Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High
			Audio Output : On / Off Volume adjustment : Low / Middle / High
	SD Mer	mory 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	1 Log	Up to 100 (Internal)
			Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs
	Suppor	rted OS *3	Microsoft® Windows® 8.1,
			Microsoft® Windows® 8,
			Microsoft® Windows® 7,
	-		Microsoft® Windows Vista®
	Suppor		
			Windows [®] Internet Explorer [®] 11 (32-bit),
		rted Browser	Windows [®] Internet Explorer [®] 11 (32-bit), Windows [®] Internet Explorer [®] 10 (32-bit),
		rted Browser	Windows [®] Internet Explorer [®] 11 (32-bit), Windows [®] Internet Explorer [®] 10 (32-bit), Windows [®] Internet Explorer [®] 9 (32-bit),
		rted 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),
Notree	Noture		Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit)
Network		k IF	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-T / 100Base-TX, RJ45 connector
Network			Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps)
Network		k IF	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90
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Network		k IF	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [4:3] (30 fps) 1,600 × 1,200 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps)
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Network		k IF Resolution	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), Windows® Internet Explorer® 7 (32-bit), U0Base-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1,280 x 600 / 640 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • Used by super resolution techniques
Network		k IF	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), U0Base-T, 100Base-T, 8.145 connector • 2 mega pixel [16:9] (30/60 fps) 1.920 x 1,080 / 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1.600 x 1,200 / 1.280 x 600 / 640 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2.048 x 1,536' / 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *Used by super resolution techniques
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Network	Image	k IF Resolution	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), Windows® Internet Explorer® 7 (32-bit), Ubase-7 / 100Base-7X, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 3 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 1536 / 2048 / 3.072 / 4.096 / 6,144 / 8.192 / 10,240 / 12,288 / 14,336 / 1,6384 / 20,480 / 24,576 kbps
Network	Image	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality	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® 8 (32-bit), Windows® Internet Explorer® 8 (32-bit), UBase-T / 100Base-T2, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,537 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine
Network	Image	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client	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), Windows® Internet Explorer® 7 (32-bit), U0Base-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • Ulsed by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 12/768 / 1.024 / 1.536 / 2.048 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 14.336 / 16.384 / 20.480 / 24.576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s
Network	Image	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), UbBase-T/ 100Base-TX, RJ45 connector • 2 mega pixel [16:3] (30/60 fps) 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 3 mega pixel [4:3] (30 fps) 2,040 × 1,536' / 1,280 × 960 / 900 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 * Ubstrate / Framerate priority / Best effort / Advanced VBR Constant Ditrate / Framerate priority / Best effort / Advanced VBR 1 / 37 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 4 / 128 / 256 / 384 / 51 / 786 / 1024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 1024 / 1,238 / 14,33 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast
Network	Image	k IF Resolution Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality	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® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), UBase-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4/3] (30 fps) 1,600 x 1,200 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4/3] (30 fps) 2,048 x 1,537 / 1280 x 90 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 1/3 / 5 / 7.5 / 1/2 / 7 1/8 / 120 / 30 / 60 fps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps G4/ 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps
Network	Image H.264 *4	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), U0Base-T, 100Base-T, R.4J45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,000 x 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 12/768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps 0.1 fps - 30 fps
Network	Image	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), UbBase-T/ 100Base-TX, RJ45 connector • 2 mega pixel [16:3] (30/60 fps) 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [4:3] (30 fps) 1,000 × 1200 / 1280 × 900 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,58' / 1,280 × 900 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,148 × 1,58' / 1,280 × 90 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,58' / 1,280 × 90 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,58' / 1,280 × 90 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 13 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Gartant Dirtate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1/ 2 / 3 / 4 / 5s
Network	Image H.264 *4 JPEG	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Transmission Type	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UBase-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,538 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 3 mega pixel [4:3] (30 fps) 1,920 x 1,080 / 1,280 x 960 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 3 mega pixel [4:3] (30 fps) 2,048 x 1,538 / 1,280 x 960 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 10 steps Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 1512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG fra
Network	Image H.264 *4 JPEG Audio 0	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression	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), Windows® Internet Explorer® 7 (32-bit), U0Base-T, 100Base-T, R.J45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,586 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7,5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 12/ 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps 0.1 fps - 30 fps 0.1 / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC
Network	Image H.264 *4 JPEG	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-T / 10Base-TX, RJ45 connector • 2 mega pixel [16:3] (30/60 fps) 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [4:3] (30 fps) 1,000 × 1,200 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,58' / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,148 / 158' / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,58' / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1,35 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 788 / 10,24 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,24 / 1,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps <td< td=""></td<>
Network	Image H.264 *4 JPEG Audio 0	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Compression Vode	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-7 / 100Base-Tx, H45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,948 x 1,538 / 1,280 x 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,948 x 1,538 / 1,280 x 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,948 x 1,538 / 1,280 x 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,948 x 1,538 / 1,280 x 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 1,948 x 1,538 / 1,102 x 1,52 / 3,2 / 0,56 / 1,2 / 3,4 / 58 Unicast / Multicast 10 x etps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displ
Network	Image H.264 *4 JPEG Audio (Audio (k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Vode	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), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), U0Base-T, H.90Base-TK, B.45 connector • 2 mega pixel [16:9] (30/60 fps) 1,902 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Gov / 100 x 1/206 / 32 k 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Cff / Mic (Line) input / Audic output / Interactive (Half duplex) / Interactive (Full duplex) Interactive (Full duplex)
Network	Image H.264 *4 JPEG Audio 0	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Vode	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit) DBase-T./ 100Base-TX, RJ45 connector • 2 mega pixel [16:3] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,000 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,000 x 1,200 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,000 x 1,200 / 1,280 x 120 / 780 / 1024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 1024 / 1,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0,25 / 0.33 / 0.5 / 11/2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pul / Push
Network	H.264 *4 JPEG Audio 0 Audio 1 Total B	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Compression Vode tication for Audio it Rate	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), UBase-T / 100Base-T, VI 00Base-T, VI 10Base-T, VI 00Base-T, VI 00Base-T, VI 00Base-T, VI 00Base-T, VI 00Base-T, VI 10Base-T, VI 00Base-T,
Network	H.264 *4 JPEG Audio 0 Audio 1 Total B	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Vode	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), UbBase-T/ 100Base-TX, RJ45 connector • 2 mega pixel [16:3] (30/60 fps) 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [4:3] (30 fps) 1,000 × 1,200 / 1,280 × 960 / 900 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,536' / 1,280 × 960 / 900 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 * Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Intera
Network	H.264 *4 JPEG Audio 0 Audio 1 Total B	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Compression Vode tication for Audio it Rate	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UbBase-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1.920 × 1,080 / 1.280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 100 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 2 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 100 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 160 / 100 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 960 / 100 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 960 / 100 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 100 / 120 / 152 / 758 / 1.024 / 1.536 / 2.048 / 3.072 / 4.096 / 6,144 / 8.192 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 /
Network	H.264 *4 JPEG Audio 0 Audio 1 Total B	k IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Compression Vode tication for Audio it Rate	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 8 (32-bit), UbBase-T / 100Base-T, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4/3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4/3] (30 fps) 2,048 x 1,338 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 3 mega pixel [4/3] (30 fps) 1,248 x 1,387 x 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 3 mega pixel [4/3] (30 fps) 2,048 x 1,338 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 * 3 mega pixel [4/3] (30 fps) Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 3 / 5 / 5 / 10 / 12 / 15 / 20 / 30 / 60 fps G/1 28 / 266 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 260 / 34 / 512 / 768 / 1,024 / 2,048 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s
Network	H.264 *4 JPEG Audio 0 Audio 1 Total B	k IF Resolution Fransmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Wode tication for Audio it Rate rted Protocol	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UbBase-T / 100Base-TX, RJ45 connector • 2 mega pixel [16:9] (30/60 fps) 1.920 × 1,080 / 1.280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 100 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 2 mega pixel [4:3] (30 fps) 1.600 × 1200 / 1.280 × 100 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 160 / 100 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 960 / 100 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 960 / 100 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1.82 / 1.280 × 100 / 120 / 152 / 758 / 1.024 / 1.536 / 2.048 / 3.072 / 4.096 / 6,144 / 8.192 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 / 1.024 / 1.228 /
Network	Image H.264 '4 JPEG Audio 1 Authen Total B Suppor	k IF Resolution Fransmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Wode tication for Audio it Rate rted Protocol	Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit) 10Base-T. / 10Base-T.X, RJ45 connector • 2 mega pixel [16:3] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [4:3] (30 fps) 2,048 x 1,367 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,367 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 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 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 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 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 0 steps 0.1 fps - 30 fps 0.1 fps / 12 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,

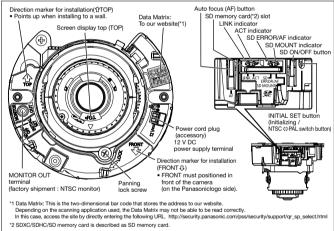
Network	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
	SDXC/SDHC/SD	H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC/
	Memory Card (Option)	Backup upon network failure
	* Use the SD memory card	JPEG recording : Manual REC / Alarm REC (Pre/Post) /
	manufactured by Panasonic (SD speed class 4 or higher).	Backup upon network failure
	and in the case of SD Speed	Compatible SD (SDHC/SDXC) card: Panasonic
	Class 10, that complies with	2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64GB** model
	UHS-1(Ultra High Speed-1).	*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, 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, NTSC / PAL composite,
Output	(for adjustment)	ø3.5mm mini jack MONITOR OUT conversion plug included
	Microphone/Line Input	MIC IN and Line IN are selectable. ø3.5 mm monaural mini jack
		(monaural input) (Applicable microphone: Plug-in power type)
		Supply voltage: 2.5 V ±0.5 V Input impedance: Approx. 2 kΩ (unbalanced)
	Audio Output	ø3.5 mm stereo mini jack (monaural output)
		Output impedance: Approx. 600 Ω (unbalanced)
	External I/O Terminals	ALARM IN 1(DAY/NIGHT IN), ALARM IN 2(ALARM OUT), ALARM IN 3(AUX OUT)
General	Safety	UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1
	EMS	FCC (Part15 ClassA), ICES003 ClassA, EN55022 ClassB, EN55024
	Power Source and	DC power supply: DC12 V / 450 mA / Approx. 5.4 W
	Power Consumption	PoE Device: DC48 V / 110 mA / Approx. 5.3 W (Class 2 device)
		* ONLY CONNECT DC12 V CLASS 2 POWER SUPPLY.
	Ambient Operating Temperature	
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Dimensions	ø129.5 mm x 101 mm (H) {ø5-3/32 inches x 3-31/32 inches (H)}
		Dome radius 40 mm {1-9/16 inches}
	Mass (approx.)	Approx. 0.49 kg {1.08 lbs}
	Finish	Main body : ABS resin, sail white
		Dome section: Clear acrylic resin
	Others	Tamper-resistant enclosure *5

*1 Converted value

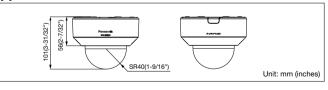
¹¹ Converted value ²² Super Dynamic function is automatically set off on 60 fps mode. ²³ Refer to "Notes on Windows Vist&" / Windows® 7 / Windows® 8 / Windows® 8.1° on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®. *4 Transmission for 4 streams can be individually set.

*5 Component that has a structure on which the screws that are accessible after installation can not be screwed or unscrewed using an ordinary screwdriver

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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