

Super Dynamic Full HD Vandal Resistant Dome Network Camera WV-SFR531



*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 Vandal Resistant 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.
- Maximum Screen Size is 2,048 x 1,536* @30fps, 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), 0.01 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 (JPEC) as he viewed as machine the second se
- Still images (JPEG) can be viewed on mobile phones via Internet.
- Onvif compliant model
 Vandal resistant mechanism for high reliability

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



Specifications

Camera						
	ifications Image Sensor		Approx. 1/3 type MOS image sensor			
	Scanning Mode		Progressive scan			
	Scannir		5.28 mm (H) × 3.30 mm (V) {7/32 inches(H) × 1/8 inches(V) }			
	Minimum Illumination		Color: 0.07 lx, BW: 0.01 lx (F1.6, Maximum shutter: Max. 1/30s, Gain: On(High))			
	White E	Balance	Color: 0.005 lx, BW: 0.0007 lx (F1.6, Maximum shutter: Max. 16/30s, Gain: On(High)) *1 AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)			
		ontrol Mode	Outdoor scene : Automatic integration of ALC and ELC			
			Indoor scene [50 Hz] : Automatic integration of ALC and ELC with flickerless			
			Indoor scene [60 Hz] : Automatic integration of ALC and ELC with flickerless			
	Shutter	Speed	[2 mega pixel [16:9](60 fps mode)]			
			Off(1/60), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000			
			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, 1/2			
	Supor F	wnamic*?	1/2000, 1/4000, 1/10000 On(High) / On(Normal) / Off			
	Super Dynamic*2 Face Super Dynamic		On / Off (Only when Super Dynamic : On)			
		e Black Stretch	On / Off (Only when Super Dynamic : Off)			
		mpensation	On / Off (Only when Super Dynamic / Adaptive black stretch : Off)			
	AGC		On (Low, Mid, High) / Off			
	Electronic Sensitivity UP Day/Night (ICR) Dynamic Range Digital Noise Reduction Video Motion Detection Privacy Zone VIQS Camera Title (OSD) Focus Adjustment		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			
			Off / On / Auto1(Normal) / Auto2(IR Light) / Auto3(SCC)			
			133 dB typ. (Super Dynamic: On, Light Control Mode : indoor) High / Low 4 areas, Sensitivity : 15 steps, Detection size : 10 steps Up to 8 zones Up to 8 zones Up to 20 characters (alphanumeric characters, marks) ABF / MANUAL(Html only)			
				1		
				1		
						tortion Compensation
Lens				Vari Focal Length		2.8 - 9.5 mm {1/8 inches - 13/32 inches}
				Angular Field of View		[16 : 9 mode] Horizontal : 31° (TELE) – 109° (WIDE)
			Vertical : 18° (TELE) – 59° (WIDE) [4 : 3 mode] Horizontal : 26° (TELE) – 89° (WIDE)			
			Vertical : 20° (TELE) – 66° (WIDE)			
	Maximu	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)			
	Croppir	ıg	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			
-		a Control	Brightness, AUX On / Off			
	Display	wode	Spot, Quad : Image from 16 cameras can be displayed in 4 different Quad screens or 16 split screen (JPEG only). 20 characters camera title available.			
-	Digital	Zoom	1x, 2x, 4x controlled by browser GUI			
	Digital Zoom Camera Title		Up to 20 alphanumeric characters			
	Clock Display		Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual)			
	Alarm Control		Reset			
		ot Capture	A still picture will be displayed on a newly opened window.			
	Audio		Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High			
			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 System Log		English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese			
	System	LOg	Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs			
	Suppor	ted OS *3	Microsoft® Windows® 8.1,			
	Supported OS *3					
			Microsoft® Windows® 8,			
			Microsoft® Windows® 7,			
			Microsoft® Windows® 7, Microsoft® Windows Vista®			
	Suppor	ted Browser	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit),			
	Suppor	ted Browser	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit),			
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			Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit),			
Network	Network	(IF	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 7 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 100Base-TX, RJ45 connector			
Network	Network		Microsoft® Windows® 7, Microsoft® Windows® Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 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)			
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Network	Network	IF Resolution Transmission Mode Frame Rate	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (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) 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 • 2 mega pixel [4:3] (30 fps) 1,600 x 1,200 / 1,280 x 960 / 680 x 680 / 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 / 680 x 680 / 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			
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	Network Image F	IF Resolution Transmission Mode Frame Rate Bit Rate/Client	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 10DBase-TX, FJ45 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 [16:9] (30/60 fps) 1,600 x 1,200 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 2 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 / 37 / 57 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,046 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,336 / 16,384 / 20,400 / 24,576 kbps			
	Network Image F	IF Resolution Transmission Mode Frame Rate	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 20 (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 • 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 970 00x 640 / 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 90 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps			
	Network Image F	Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 100Base-TX, 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 [43:3] (30 fps) 1.600 x 1.200 / 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 3 mega pixel [43:3] (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 [43:3] (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 [43:3] (30 fps) 2.048 x 1.367 / 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 / 158 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 151 / 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 F	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality	Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 12 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 10DBase-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 720 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1.600 x 1.200 / 1.280 x 900 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 900 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 / 266 / 384 / 512 / 768 / 1.024 / 1.536 / 2.048 / 3.072 / 4.096 / 6.144 / 8,182 / 10.240 / 12.288 / 14.336 / 16.384 / 20.480 / 24.576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast			
	Network Image F H.264	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (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 • 2 mega pixel [14:3] (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) 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 6 / 128 / 256 / 344 / 152 / 758 / 10,24 / 15.87 / 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			
	Network Image F	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval	Microsoft® Windows® 7, Microsoft® Windows® Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 10DBase-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 'Jsed by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 2 / 4 / 128 / 266 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8 4 / 128 / 266 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8 4 / 128 / 266 / 33 / 0.5 / 1 / 2 / 3 / 4 / 5s 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.)			
	Network Image F H.264 *4	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Transmission Type	Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 12 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 10DBase-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 [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) 1.920 x 1,080 / 1,280 x 70 / 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 90 / 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 90 / 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 90 / 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 90 / 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 90 / 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 90 / 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 90 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 5 / 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2			
	Network Image f H.264 *4 JPEG Audio C	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (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 • 2 mega pixel [16:3] (30 /s0) 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 90/800 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 / 1 / 15 / 20 / 30 / 60 fps 6 / 128 / 256 / 344 / 152 / 758 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC			
	Network Image F H.264 *4	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression	Microsoft® Windows® 7, Microsoft® Windows® Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 10DBase-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 [16:9] (30/60 fps) 1,920 × 1,080 / 1,280 × 900 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 3 mega pixel [4:3] (30 fps) 2,048 × 1,586 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 'Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 37 / 57 / 15 / 12 / 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 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 G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) /			
	Network Image F H.264 '4 JPEG Audio C Audio N	Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Adde	Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 21 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 7 (32 bit) 10Base-T / 10DBase-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 [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) 1.920 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) 2.048 x 1,536' / 1,280 x 90 / 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 90 / 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 90 / 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 90 / 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 90 / 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 90 / 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 90 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 5.04 / 128 x 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8, 1.91 / 2,1024 / 12,288 / 14,356 / 16,384 / 20,480 / 24,576 kbps 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 G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)			
	Network Image I H.264 '4 JPEG Audio C Audio I	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Adde	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (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 • 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) 1,920 x 1,080 / 1,280 x 970 80 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,356 / 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 6 / 128 / 256 / 344 / 152 / 756 / 10,24 / 1,58 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)			
	Network Image F H.264 '4 JPEG Audio C Audio N	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Adde	Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 12 (32 bit), Windows® Internet Explorer® 9 (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 • 2 mega pixel [43:3] (30 fps) 1.600 x 1.200 / 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [43:3] (30 fps) 1.600 x 1.200 / 1.280 x 720 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [43:3] (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 64 / 128 / 256 / 384 / 512 / 768 / 10.24 / 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 / Muticast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images). Pul / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 10.24 / 2.048 / 4.096 / 8,192 kbps /			
	Network Image F H.264 '4 JPEG Audio C Audio N Authent Total Bi	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde tication for Audio it Rate	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 20 (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 • 2 mega pixel [16:3] (30 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 1,536 / 1,280 x 90 / 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 / 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 Unicast / Multicast 10 steps 0.1 fps - 30 fps 0.1 fps 0.1 fps 0.1 fps 0			
	Network Image F H.264 '4 JPEG Audio C Audio N Authent Total Bi	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Adde	Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 12 (32 bit), Windows® Internet Explorer® 9 (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 • 2 mega pixel [43:3] (30 fps) 1.600 x 1.200 / 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [43:3] (30 fps) 1.600 x 1.200 / 1.280 x 720 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [43:3] (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 64 / 128 / 256 / 384 / 512 / 768 / 10.24 / 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 / Muticast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images). Pul / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 10.24 / 2.048 / 4.096 / 8,192 kbps /			
	Network Image F H.264 '4 JPEG Audio C Audio N Authent Total Bi	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde tication for Audio it Rate	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (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 • 2 mega pixel [16:3] (30 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 2 mega pixel [4:3] (30 fps) 1,920 x 1,080 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 2 mega pixel [4:3] (30 fps) 2,048 x 1,356 / 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 6 / 128 / 256 / 348 / 152 / 748 / 1,024 / 1,58 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Uniteractive (Full duplex)			
	Network Image F H.264 '4 JPEG Audio C Audio C Audio I Suppor	Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Jompression Aode tication for Audio ti Rate ted Protocol	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 0 (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 • 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) 1,920 x 1,080 / 1,280 x 970 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2,048 x 1,356 / 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 6 / 128 / 256 / 384 / 152 / 786 / 1,024 / 1,58 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/P, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, ICMP, AAP			
	Network Image F H.264 '4 JPEG Audio C Audio N Authent Total Bi	Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Jompression Aode tication for Audio ti Rate ted Protocol	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 20 (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 • 2 mega pixel [16:3] (30 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 1,036 / 1,280 x 90 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 ''''''''''''''''''''''''''''''''''''			

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	-10 °C to +50 °C (14 °F to 122 °F)
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Shock Resistance	Compliant with 20J IEC60068-2-75/ IEC 62262 IK10
	Dimensions	ø129.5 mm x 102.5 mm (H) {ø5-3/32 inches x 4-1/32 inches (H)}
		Dome radius 41.5 mm {1-5/8 inches}
	Mass (approx.)	Approx. 0.70 kg {1.54 lbs}
	Finish	Main body : Aluminum die cast, sail white
		Dome section : Clear polycarbonate resin

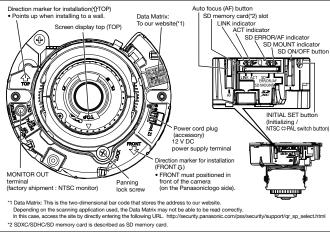
Others *1 Converted value

*3 Super Dynamic function is automatically set off on 60 fps mode.
*3 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®. *4 Transmission for 4 streams can be individually set.

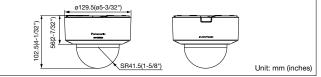
Tamper-resistant enclosure*5

*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



Trademarks and registered trademarks

- Microsoft, and Windows are registered trademarks - Microsoft Corporation in the U.S. and other countries. - iPad, iPhone and iPod touch are registered trademarks of Apple Inc. - Android is a trademark of Google Inc. - "I-PRO SmartHD" logo is trademark or registered trademark of Panasonic Corporation. - ONVIF and the ONVIF logo are trademarks of ONVIF Inc.

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.



http://security.panasonic.com

http://www.facebook.com/PanasonicNetworkCamera (2A-143DA)

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