

Super Dynamic Full HD Vandal Resistant & Waterproof Dome Network Camera





*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 Dynamic^{*1} and ABS (Adaptive Black Stretch) technologies deliver 133 dB wider dynamic range compared to conventional cameras.
- Multi process NR & 3D-DNR ensures noise reduction in various conditions.
- High sensitivity with Day/Night (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
- 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
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard, Type 4X(UL50), NEMA 4X compliant.
- Dehumidification device for use with various weather conditions
- Vandal resistant mechanism for high reliability
- *1 Super Dynamic function is automatically set off on 60 fps mode.



Specifications

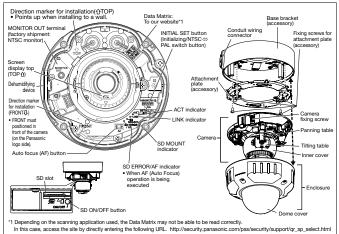
Camera			
	Image S	Sensor	Approx. 1/3 type MOS image sensor
		ng Mode	Progressive scan
	Scannir		5.28 mm (H) × 3.30 mm (V) {7/32 inches (H) × 1/8 inches (V)}
		m Illumination	Color: 0.07 lx, BW: 0.01 lx (F1.6, Maximum shutter: Max. 1/30s, Gain: On(High))
			Color: 0.005 lx, BW: 0.0007 lx (F1.6, Maximum shutter: Max. 16/30s, Gain: On(High)) *1
i	White Balance Light Control Mode		AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
			Outdoor scene : Automatic integration of ALC and ELC
			Indoor scene [50 Hz] : Automatic integration of ALC and ELC with flickerless
	Shutter Speed		Indoor scene [60 Hz] : Automatic integration of ALC and ELC with flickerless
1			[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,
			1/2000, 1/4000, 1/10000
1	Super D	Dynamic *2	On(High) / On(Normal) / Off
	Face Super Dynamic		On / Off (Only when Super Dynamic : On)
1	Adaptive Black Stretch		On / Off (Only when Super Dynamic : Off)
		npensation	On / Off (Only when Super Dynamic/ Adaptive black stretch : Off)
1	AGC		On (Low, Mid, High) / Off
	Electron	nic 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)
	Dynami	c 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		Up to 8 zones
1	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks)
	Focus Adjustment		ABF / MANUAL(Html only)
ł	Lens Distortion Compensation		256 steps
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)
	Maximum Aperture Ratio		1 : 1.6 (WIDE) - 1 : 3.3 (TELE)
1	Focusing Range		0.3 m - ∞
Adjusting Angle			Horizontal: ±180°, Vertical: ±85°,
	g Aligic		Image tilt adjustment range: -100° (Left) to +100° (Right)
Browser	Croppir	na	H.264(1) / H.264(2) / H.264(3) / H.264(4) / H.264(all) / JPEG(1) / JPEG(2) / JPEG(3)
GUI		5	Up to 4 image capture areas can be specified
	Camera	Control	Brightness, AUX On / Off
	Display		Spot, Quad : Image from 16 cameras can be displayed in 4 different Quad
	Biopidy	mode	screens or 16 split screen (JPEG only). 20 characters camera title available.
	Digital Zoom		1x, 2x, 4x controlled by browser GUI
	Camera Title		Up to 20 alphanumeric characters
	Clock E		Time : 12H/24H, Date : 5 formats on the browser, Summer time (Manual)
	Alarm C		Reset
		ot Capture	A still picture will be displayed on a newly opened window.
	Audio SD Memory Data Download GUI / Setup Menu Language		Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High
			Audio Output : On / Off Volume adjustment : Low / Middle / High
			Still or motion Images recorded in the SDXC/SDHC/SD memory card
			can be downloaded.
			English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
	System		Up to 100 (Internal)
	0,000	209	Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error logs
ł	Suppor	had 00 *3	Microsoft® Windows® 8.1,
I	Supported OS *3		Wildows- 0.1,
			Microsoft® Windows® 9
		led US 5	Microsoft® Windows® 8,
		led US 9	Microsoft® Windows® 7,
	Suppor		Microsoft® Windows® 7, Microsoft® Windows Vista®
	Suppor	ted Browser	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit),
	Suppor		Microsoft® Windows® 7, <u>Microsoft® Windows Vista®</u> Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit),
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Network	Network	ted Browser	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) 10Base-T / 100Base-TX, RJ45 connector
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Network	Network	ted Browser IF Resolution Transmission Mode Frame Rate	Microsoft® Windows®7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), UDBase-T / 100Base-TX, BJ45 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) 1,600 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 1,587 / 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
	Network Image I	ted Browser	Microsoft® Windows® 7, Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (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 [16:3] (30/60 fps) 1.920 x 1.080 / 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [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 1,536' / 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 • Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 ps
	Network Image f	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Undows® Internet Explorer® 7 (32-bit), Undows 2, Undows 7, Undows
	Network Image I	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft® Windows® 7, Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (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 [16:3] (30/60 fps) 1.920 x 1.080 / 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [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 1,536' / 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 • Used by super resolution techniques Constant bitrate / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 ps
	Network Image f	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval	Microsoft® Windows® 7, Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (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 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [16:3] (30 fps) 1,920 × 1,080 / 1,280 × 720 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,536 / 1,280 × 900 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2,048 × 1,536 / 1,280 × 900 / 800 × 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 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 f	ted Browser 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® 10 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), UBase-T / 100Base-TX, BJ45 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) 1.600 x 1,200 / 1,280 x 720 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [14:3] (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 [14:3] (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 / 5,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine
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	Network Image F H.264 *4	ted Browser 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® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Undows® Internet Explorer® 7 (32-bit), Undows® Internet Explorer® 7 (32-bit), 10Base-T / 10DBase-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) 1.920 x 1,080 / 1,280 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 / 37 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 16,384 / 20,480 / 24,576 kbps Low / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Mutticast
	Network Image f	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, BJ45 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) 1.600 x 1,200 / 1,280 x 720 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [14:3] (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 [14:3] (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 / 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 F H.264 *4	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (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 [16:3] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [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 [16:3] (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) Constant bitrate / Framerate pirontly / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 6 / 128 / 256 / 334 / 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
	Network Image I H.264 *4	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Transmission Type	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 100Base-TX, 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 × 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) 2,048 × 1,58' / 1280 × 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 / 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 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.) Pull / Push
	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 Jompression	Microsoft® Windows® 7, Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 10DBase-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 [16:3] (30/60 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 900 / 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 900 / 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 / 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 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC
	Network Image I H.264 *4	IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Jompression	Microsoft® Windows® 7, Microsoft® Windows Vista® 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 [16:9] (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 90 / 600 x 600 / 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 90 / 800 x 600 / 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 90 / 800 x 600 / 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 90 / 800 x 600 / 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 90 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1,610 x 1,280 / 1,280 x 90 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 1,286 x 1,380 / 1,280 x 90 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • Used x 1,380 / 1,280 x 90 / 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 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 61,144 / 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). Pul / 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 I Image I H.264 '4 JPEG Audio C Audio N	IF Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Transmission Type Transmission Type Transmission Type	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UDBase-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) 1.600 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 960 / 600 x 680 / 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 • 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 • 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 • 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 • 3 mega pixel [4:3] (30 fps) 2.048 x 1,536' / 1,202 x 9 / 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. 1.0w / Normal / Fine 9.2 / 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) / 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® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-T / 10DBase-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 [16:3] (30/60 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 / 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 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 I Image I 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 Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 0 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), UDBase-T / 100Base-TX, BJ45 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 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [4:3] (30 fps) 1.600 × 1,200 / 1,280 × 720 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1.600 × 1,200 / 1,280 × 980 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1.600 × 1,200 / 1,280 × 980 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1 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 0.2 / 0.25 / 0.33 / 0.5 / 1/ 2 / 3 / 4 / 55 Unicast / Multicast 10 steps 0.1 fps - 30 fps U/PC 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) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps /
	Network Image I H.264 '4 JPEG Audio C Audio N Authent Total Bi	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Mode ication for Audio t Rate	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (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 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [14:3] (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 960 / 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 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2.048 x 1,536' / 1,260 x 960 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 2.048 x 1,536' / 1,202 x 960 / 600 ps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 kbps 1.0w / Normal / Fine 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Full 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 / Unimited
	Network Image I 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 Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 8 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), 10Base-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 [14:3] (30 fps) 1.920 × 1,080 / 1,280 × 720 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 2.048 × 1,586 / 1,280 × 900 / 800 × 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 6 / 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 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 onty / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IFv6: TCPIP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SNMP,
	Network Image I H.264 '4 JPEG Audio C Audio N Authent Total Bi	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Mode ication for Audio t Rate	Microsoft® Windows® 7, Microsoft® Windows Vista® 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), UDBase-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 [14:3] (30 fps) 1.600 × 1,200 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 • 2 mega pixel [14:3] (30 fps) 1.600 × 1,200 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [14:3] (30 fps) 1.600 × 1,200 / 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 / 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 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/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, ICMP, APP
	Network Image I H.264 '4 JPEG Audio C Audio N Authent Total Bi	ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Mode ication for Audio t Rate	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 2 (32-bit), Windows® Internet Explorer® 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 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [16:3] (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 960 / 600 x 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 960 / 800 x 600 / 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 960 / 800 x 600 / 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 960 / 800 x 600 / 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 960 / 600 x 600 / 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 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1.600 x 1,200 / 1,200 x 960 / 600 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 3 mega pixel [4:3] (30 fps) 1.600 x 1,200 / 1,200 / 1,228 / 1,326 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6.141 / 8.192 / 10,240 / 12,288 / 14,356 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6.178 / (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Half / 1,024 / 1,024 / 1,024 / 2,
	Network Image I H.264 '4 JPEG Audio Q Audio N Authent Total Bi Suppor	ted Browser IF Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression fode iccation for Audio t Rate ted Protocol	Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), Uindows® Internet Explorer® 7 (32-bit), Uindows® 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 / 1.280 x 960 / 600 / 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 960 / 800 x 600 / 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 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 1.41 / 6.122 / 10.240 / 12.288 / 14.336 / 1.6384 / 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) / 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 / Unimited IPv5 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, ICMP, ARP
	Network Image I H.264 '4 JPEG Audio C Audio N Authent Total Bi	ted Browser IF Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression fode iccation for Audio t Rate ted Protocol	Microsoft® Windows® 7, Microsoft® Windows® 7, Microsoft® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 10 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UDBase-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) 1.600 x 1,200 / 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 2 mega pixel [14:3] (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 [14:3] (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 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,286 / 14,336 / 16,384 / 20,480 / 24,576 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 fame rate will be restricted when displaying both JPEG and H.264 images.) Pull / Pull Full / Pull 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/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, ICMP, APP IPv4 : TCP/IP, UDP/IP, HTTP, PrTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SNMP, UNP, IGMP, IGMP
	Network Image I H.264 '4 JPEG Audio Q Audio N Authent Total Bi Suppor	ted Browser IF Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression fode iccation for Audio t Rate ted Protocol	Microsoft® Windows 7, Microsoft® Windows 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32-bit), Windows® Internet Explorer® 9 (32-bit), Windows® Internet Explorer® 7 (32-bit), Windows® Internet Explorer® 7 (32-bit), UDBase-T / 100Base-TX, BJ45 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 / 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 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) 1.600 × 1,200 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 3 mega pixel [4:3] (30 fps) 1.600 × 1,200 / 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1280 × 90 / 1280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 1280 × 910 / 1280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 • 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Italf 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 IP45 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SMMP, DHCP4, GTP, MLD, ICMP, APR IP44 : TCP/IP, UDP/IP, HTTP, HTTPS, STP, SMTP, IGMP, IGMP, ICMP, ARP

Network	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Network	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	
	manufactured by Panasonic	JPEG recording : Manual REC / Alarm REC (Pre/Post) /
	(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 UHS-1(Ultra High Speed-1).	2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64GB** 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, 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,
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 / 750 mA / Approx. 9 W
	Power Consumption	PoE Device: DC48 V / 210 mA / Approx. 10.1 W* (Class 0 device)
		* Maximum power consumption on the camera power input side.
		** ONLY CONNECT DC12 V CLASS 2 POWER SUPPLY.
	Ambient Operating Temperature	-40 °C to +50 °C (-40 °F to 122 °F)
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Impact Protection	IEC 60068-2-75 test Eh, 50 J / IEC 62262 IK10
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50),
		NEMA 4X compliant
	Shock Resistance	Compliant with 50 J IEC60068-2-75
	Dimensions	ø164 mm x 139 mm (H) {ø6-15/32 inches x 5-15/32 inches (H)}
	* Installing using the base bracket	Dome radius 42 mm {1-21/32 inches}
	Mass (approx.)	With base bracket : Approx. 1.6 kg {3.53 lbs}
		Without base bracket : Approx. 1.2 kg {2.65 lbs}
	Finish	Main body : Aluminum die cast, light grav
		Dome section: Clear polycarbonate resin
	Others	Tamper-resistant enclosure *5
1.0	Outors	

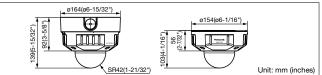
10 Onters
 1 Converted value
 1 C

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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