

Super Dynamic Weather Resistant **HD Dome Network Camera** WV-SW396



HD/1,280 x 960 H.264 Weather Proof Camera featuring Optical 36x zoom and Super Dynamic

Key Features

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed MOS Sensor
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier®", Panasonic's proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size 36x optical zoom with 12x digital zoom enabling 432x zoom.
- 72x extra optical zoom at VGA resolution with 12x digital zoom enabling 864x zoom. • Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver
- 128x wider dynamic range compared with conventional cameras. • Face Super Dynamic technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Day/Night function : 0.5 lx (Color), 0.06 lx (B/W) at F1.4 (Wide)
- Adaptive Digital Noise Reduction: 2D-DNR and 3D-DNR integration
- ensures reduced noise and motion blur in various conditions.
- Superior color reproduction by primary (RGB) color filter
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor / Indoor / Fixed electronic shutter Outdoor / Indoor: Electronic shutter and ALC lens iris control are automatically controlled depending on the mode and luminance level. Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.
- 360 degrees endless Panning
- Advanced auto tracking: The camera automatically pans and tilts to follow a moving subject and keep it in the center of the image.
- PTZ control can be taken very smoothly on the user friendly GUI with 16 speeds pan/tilt and new "Drag and Zoom" operation enabling finer control. 256 speeds available for system with WV-CU950 system controller.
- Up to 256 preset positions
- 360 map shot: 8 thumbnail images at 45 deg. intervals make it simple to direct the camera easily by clicking on a thumbnail.
- Industrial grade Pan/Tilt/Zoom mechanism for high reliability • VMD (Video Motion Detection) with 4 programmable detection
- areas, 15 steps sensitivity level and 10 steps detection size Face detection function detects the position of human face and the information is sent by XML or video stream.
- Meta data for VMD works with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic protocol output.

- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- · JPEG image compression ratio can be changed by alarm so that higher quality image can be provided.
- · Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/MPEG-4 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.
- Multi-language: English / Italian / French / German / Spanish / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Analog Monitor output for easier installation
- 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.
- Dehumidification device for use in various weather conditions
- Built-in fan/heater/sun shield for temperature changes of -50 °C ~ +55°C (-58 °F ~ +131 °F) (24 V AC), -30 °C ~ +55 °C (-22 °F ~ 131 °F) (PoE+)
- Supports Power over Ethernet Plus (PoE+) IEEE 802.3at * Does not support IEEE802.3af

Standard Accessories

- CD-ROM*1
- Front/Rear Sun Shield Fixing Screws Installation Guide.....1 pc. • Code Label*2 .
- The followings are for installation.
- 8P Alarm Cable 1 pc.
- Connector Kit for 24 V AC 1 pc. • Front/Rear Sun Shield 1 set

Optional Accessory



* This catalog is provided for all over the world. ome accessories may not be available in some countries

*1 The CD-ROM contains the operating instructions

(PDFs) and different kinds of tool software programs.

*2 This label may be required for network management. The network administrator shall retain the code label.

- User License Accessory (For H.264)
- * Required in Korea

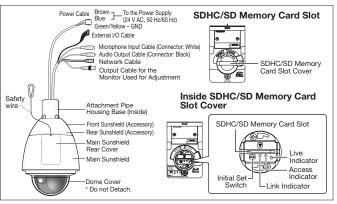
Specifications

TV System			NTSC	PAL	
Camera	Image Sensor		1/4 type MOS Sensor		
	Effective Pixels		Approx. 1.3 megapixel		
	Scanning Mode		Progressive scan		
	Scanning Area		3.6 mm (H) x 2.7 mm (V) {5/32 inch	es (H) × 11/100 inches (V)}	
	Minimum I	llumination	Color: 0.5 lx, B/W: 0.06 lx at F1.4 (Shutter: 1/30 s, AGC: High),	
			Color: 0.031 lx, B/W: 0.004 lx at F1.4 (Shutter: 16/30 s, AGC: High)		
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)		
	Light Control Mode		Indoor scene (50 Hz / 60 Hz) / Outdoor scene / Fix shutter		
	Shutter Speed		Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100,		
	Shutter Opeeu		1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000		
	Super Dynamic		ON / OFF		
	Face Super Dynamic		ON / OFF (Only at Super Dynamic: ON)		
	Dynamic F		52 dB typical (Super Dynamic: ON, Light Control mode: Indoor)		
			ON / OFF		
	Adaptive Black Stretch		ON / OFF ON (LOW, MID, HIGH) / OFF		
	AGC Electronic Sensitivity UP Black and White Mode Digital Noise Reduction				
			OFF, max. 2/30 s, max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30 s Mode: AUTO1 / AUTO2 / AUTO3 / ON / OFF High / Low		
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 steps		
	Privacy Zone		Up to 8 zones, Gray / Mosaic		
	Auto Image Stabilizer		ON / OFF		
	Camera Title (OSD)		Up to 20 alphanumeric characters (3 selectable character sizes)		
Lens	Focal Length		3.3 mm ~ 119 mm		
	Zoom Ratio		36x / 72x with extra optical zoom (at VGA)		
	Digital (Electronic) Zoom		12x (Max. 864x combined with extra optical zoom at VGA)		
	Angular Field of View		H: 1.7° (Tele) ~ 60.2° (Wide), V: 1.3° (Tele) ~ 46.0° (Wide)		
	Maximum Aperture Ratio		1 : 1.4 (Wide) ~ 4.8 (Tele)		
	Focusing Range		1:1.4 (Wide) ~ 4.8 (Tele) 2.0 m ~ ∞		
	Aperture Range		F1.4 ~ 22, Close		
Pan and Tilt			1.4 ~ 22, Close 360° endless		
	Panning Range Panning Speed		Manual: approx. 0.065°/s ~ 120°/s, Up to 256 steps (depending on the controller)		
	Panning Speed				
	Tilting Dongo		Preset: up to approx. 400°/s		
	Tilting Range Tilting Speed		-15° ~ 185° (upward-level-downwa		
			Tilting angle limit: 10° / 5° / 3° / 0° / -3° / -5° / -10° / -15°		
			Manual: approx.0.065°/s ~ 120°/s, Up to 256 steps (depending on the controller)		
			Preset: up to approx. 400°/s		
	Proportional Pan/Tilt Control		Yes		
	Number of Preset Positions				
	Auto Mode		preset sequence / auto pan / auto track / patrol		
	Image Hole	d	ON / OFF		
	PTZ Position Display		ON / OFF		
	Self Return		10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min /		
			30 min / 60 min		
	Map Shot		360° map shot / preset map shot		
Browser GUI			Pan/Tilt (16 steps), Zoom, Focus, C	lick centering Drag zoom Iris	
			Preset position call and program, Auto mode		
	Display Mode				
			Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad screens or 16 split screen (JPEG only). 20 characters camera title available.		
	0 T				
	Camera Title		Up to 20 alphanumeric characters Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/AUTO)		
	Clock Display			browser, Summer time (Manual/AUTO)	
	Alarm Control		Reset		
	One Shot Capture		A still picture will be displayed on a		
	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 SDHC/SD memory card can		
			be downloaded.		
	GUI/Setup Menu Language		English, French	English, French, Italian, Spanish,	
			(Installation required for French)	German, Russian (Installation	
			, , ,	required except for English)	
	System Log		Lip to 100 (Internal) Lip to 4 000 (S		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3	Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG) error logs		
	Supported OS *1		recording format is set to JPEG.) error logs		
	Supported	05 *1	Microsoft® Windowe® 7	rror logs	
	Supported	OS *1	Microsoft® Windows® 7	ror logs	
	Supported	OS *1	Microsoft [®] Windows Vista [®]	ror logs	
			Microsoft® Windows Vista® Microsoft® Windows® XP SP3		
	Supported Supported		Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3	2 bit)	
			Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3	2 bit) 2 bit)	
			Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3 Windows® Internet Explorer® 7.0 (3	2 bit) 2 bit) 2 bit)	
			Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3	2 bit) 2 bit) 2 bit)	
Network		Browser	Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3 Windows® Internet Explorer® 7.0 (3	2 bit) 2 bit) 2 bit) 23	
Network	Supported	Browser	Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3 Windows® Internet Explorer® 7.0 (3 Microsoft® Internet Explorer® 6.0 S	2 bit) 2 bit) 2 bit) P3 noector	
Network	Supported Network IF	Browser	Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3 Windows® Internet Explorer® 7.0 (3 Microsoft® Internet Explorer® 6.0 S 10Base-T / 100Base-TX, RJ-45 coi	2 bit) 2 bit) 2 bit) P3 inector 2 480) / QVGA (320 × 240), up to 30 fps	
Network	Supported Network IF Image	Browser Aspect ratio:	Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3 Windows® Internet Explorer® 6.0 S 10Base-T / 100Base-T X, FJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA	2 bit) 2 bit) 2 bit) 2 bit) 23 nnector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps	
Network	Supported Network IF Image Resolution	Browser Aspect ratio:	Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 6.0 S Microsoft® Internet Explorer® 6.0 S 10Base-T / 100Base-TX, RJ-45 coi H.284: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 480) / VQGA JPEG (MJPEG): 1,280 × 960 / 800	2 bit) 2 bit) 2 bit) 2 bit) 23 nnector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps	
Network	Supported Network IF Image Resolution	Aspect ratio: [4:3]	Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 7.0 (3 Microsoft® Internet Explorer® 7.0 (3 Microsoft® Internet Explorer® 7.0 (3 DBase-7 / 100Base-7 X, RJ-45 coi H.264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps	2 bit) 2 bit) 2 bit) P3 nnector 0 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) /	
Network	Supported Network IF Image Resolution	Browser Aspect ratio: [4 : 3] Aspect ratio:	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 8.0 (3 Windows* Internet Explorer* 6.0 S 10Base-T / 100Base-T X, FJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 440) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33	2 bit) 2 bit) 2 bit) P3 nnector 0 x 480) / OVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps	
Network	Supported Network IF Image Resolution *2 *3	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Microsoft® Windows Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 6.0 S 10Base-T / 100Base-TX, RJ-45 coi H:264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG -4: VCA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H:264: 1,280 × 720 / 640 × 370 / 640	2 bit) 2 bit) 2 bit) P3 nnector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps	
Network	Supported Network IF Image Resolution *2 *3 H.264/	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode	Microsoft® Windows® Vista® Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (3 Windows® Internet Explorer® 8.0 (3 Windows® Internet Explorer® 6.0 S 10Base-T / 100Base-T x, FJ-45 co H264: 1,280 × 960 / 800 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit	2 bit) 2 bit) 2 bit) P3 nnector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps / Best effort	
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 6.0 S 10Base-T / 100Base-T , FJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (6 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 500 / 30	2 bit) 2 bit) 2 bit) P3 nnector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps	
Network	Supported Network IF Image Resolution *2 *3 H.264/	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 6.0 (3 Microsoft* Internet Explorer* 6.0 (3 10Base-T / 100Base-TX, RJ-45 coi H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG 4: VCA (640 × 480) / VCA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 1,	2 bit) 2 bit) 2 bit) 2 bit) 33 nnector 0 × 480 / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps // Best effort fps 0 24 / 1,536 / 2,048 / 3,072 /	
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	Microsoft® Windows % XP SP3 Microsoft® Windows % XP SP3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 6.0 S 10Base-T / 10DBase-TX, FJ-45 co H264: 1280 × 960 / 800 % VCA F64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 760 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant Ditrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 1, 4,096 / 8, 192° kbps / Unlimited * H	2 bit) 2 bit) 2 bit) 2 bit) 33 nnector 0 × 480 / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps // Best effort fps 0 24 / 1,536 / 2,048 / 3,072 /	
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 6.0 (3 Uindows* Internet Explorer* 6.0 (3 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 480 / VGA (4 MPEG-4: VGA (640 × 480 / VGA (4 MPEG-4: VGA (640 × 480 / 0) (4) (4) AJPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 766 / 1, 4,096 / 8,192 / Mps / Unlimited / I LOW / NORMAL / FINE	2 bit) 2 bit) 2 bit) P3 nnector 0: 480/ / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 660 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only	
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	Microsoft® Windows % XP SP3 Microsoft® Windows % XP SP3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 6.0 S 10Base-T / 10DBase-TX, FJ-45 co H264: 1280 × 960 / 800 % VCA F64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 760 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant Ditrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 1, 4,096 / 8, 192° kbps / Unlimited * H	2 bit) 2 bit) 2 bit) P3 nnector 0: 480/ / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 660 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only	
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 6.0 (3 Uindows* Internet Explorer* 6.0 (3 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 480 / VGA (4 MPEG-4: VGA (640 × 480 / VGA (4 MPEG-4: VGA (640 × 480 / 0) (4) (4) AJPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 766 / 1, 4,096 / 8,192 / Mps / Unlimited / I LOW / NORMAL / FINE	2 bit) 2 bit) 2 bit) P3 nnector 0: 480/ / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 660 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only	
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 7.0 (3 Microsoft* Internet Explorer* 6.0 S 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 × 960 / 800 × 600 / VQA (4 MPEG 4: VQA (640 × 480 / QVAA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1/3 / 5 / 5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 766 / 1, 4,096 / 8,192* kbps / Unlimited * H LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s /	2 bit) 2 bit) 2 bit) P3 nnector 0: 480/ / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 660 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 0.0 (3 Windows* Internet Explorer* 0.0 (3 10Base-T / 100Base-TX, FJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 8,192* kbps / Unlimited * H CUW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps	2 bit) 2 bit) 2 bit) P3 nnector 0: 480/ / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 660 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG)	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transision Mode Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 7.0 (3 Microsoft* Internet Explorer* 6.0 S 10Base-T / 100Base-TX, RJ-45 col H.26t: 1,280 × 960 / 800 × 600 / VQA (4 MPEG 4: VQA (640 × 480 / QVAA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.26t: 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 6 / 128 / 256 / 384 / 512 / 768 / 1, 4,096 / 8,192* kbps / Unlimited * H LOW / NORMAL / FINE LOW / NORMAL / FINE UNICAST / MULTICAST 10 steps PULL / PUSH	2 bit) 2 bit) 2 bit) 2 bit) P3 nnector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 0 24 / 1,536 / 2,048 / 3,072 / 1.264 mode only 2 s / 3 s / 4 s / 5 s	
Network -	Supported Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image State Image St	Microsoft* Windows Vista* Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 8.0 (3 Windows* Internet Explorer* 8.0 (3 Windows* Internet Explorer* 6.0 S 10Base-T / 100Base-TX, FU-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 440) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 VGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant Dirate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 182 / 256 / 384 / 512 / 768 / 1, 4,096 / 6,192* kbps / Unlinted * H LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps PULL / PUSH 6.726 (ADPCM) 32 kbps / 16 kbps	2 bit) 2 bit) 2 bit) 2 bit) P3 unector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / .264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG)	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image State Image St	Microsoft* Windows* XP SP3 Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 7.0 (3 Windows* Internet Explorer* 7.0 (3 IOBase-T / 100Base-TX, FJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 540 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 540 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 540 × 366 / 33 JPEG (MJPEG): 1,280 × 720 / 540 × 360 / 33 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 35 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 35 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 35 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 35 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 36 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 36 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 36 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 36 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 36 JPEG (MJPEG) × 1,280 × 720 / 540 / 36 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 36 JPEG (MJPEG) × 1,280 × 720 / 540 × 360 / 36 JPEG (MJPEG) × 1,280 × 70 / 540 / 540 × 560 / 37 JPEG (MJPEG) × 1,280 × 70 / 540 / 540 × 560 / 36 × 750 / 540 / 540 / 56 / 56 / 56 / 56 / 56 / 56 / 56 / 5	2 bit) 2 bit) 2 bit) 2 bit) P3 nnector (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / .264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps	
Network –	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transision Mode Bit Rate/Client Image Quality Refresh Interval Transision Type Image Quality Transision Type Image Surger Transition Type Transition Type Trans	Microsoft® Windows® XP SP3 Microsoft® Windows® XP SP3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 3.0 (3 Wicrosoft® Internet Explorer® 6.0 S 10Base-T7 100Base-TX, FJ-45 coi H264: 1280 × 960 / 800 VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 6,192 kbps / Unlimited * H LOW / NORMAL / FINE 0.2 s / 0.25 / 0.35 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic (Line) input / Audio outp Interactive (Full duplex)	2 bit) 2 bit) 2 bit) 2 bit) P3 snector x 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps x 600 / VGA (640 × 480) / 20 × 180, up to 30 fps x 360 / 320 × 180, up to 30 fps y / Best effort fps Q24 / 1,536 / 2,048 / 3,072 / L264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps ut / Interactive (Half duplex) /	
Network	Supported Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Authentica	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image Quality Transmission J	Microsoft® Windows® XP SP3 Microsoft® Windows® XP SP3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 6.0 S 10Base-T / 100Base-TX, FU-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 460) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 VGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG) × 1,280 × 720 / 640 × 360 / 32 MICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic (Line) iput / Audio outp Interactive (Full duplex) Level 1 only / Level 2 higher / All us	2 bit) 2 bit) 2 bit) 2 bit) P3 unector 0 x 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / .264 mode only 2 s / 3 s / 4 s / 5 s 	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Audio Con Audio I fut Total Bit R	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Transmission Type Transmission Type Transmission Type Aspect Transmission Type Transmission Type Transmis	Microsoft* Windows* XP SP3 Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 6.0 (3 Windows* Internet Explorer* 6.0 (3 10Base-T / 100Base-TX, FJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 960 / 800 Constant bitrate / Framerate priorit 1/3 / 57 / 57 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 1 s/ UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic (Line) input / Audio outp Interactive (Full duplex) Level 1 only / Level 2 higher / All us 64 / 128 / 256 / 384 / 512 / 768 / 1.024.	2 bit) 2 bit) 2 bit) 2 bit) 3 3 noetor 0 × 480 / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps (320 × 180, up to 30 fps y / Best effort fps 0 24 / 1,536 / 2,048 / 3,072 / .264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps t / Interactive (Half duplex) / vers '2,048 / 4,096 / 8,192 kbps / Unlimited	
Network -	Supported Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Authentica	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Transmission Type Transmission Type Transmission Type Aspect Transmission Type Transmission Type Transmis	Microsoft® Windows® XP SP3 Microsoft® Windows® XP SP3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 3.0 (3 Windows® Internet Explorer® 6.0 S 10Base-T/10DBase-TX, BJ-45 coi H264: 1280 × 960/ 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 VGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 VGA (320 × 510,38 × 102 / 65 / 11 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 11 4,096 / 6, 192 * kbps / Unlimited * H LOW/ NORMAL / FINE 0.2 s / 0.25 / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic (Line) Input / Audio outp Iterarative (Full duplex) Level 1 oniy / Level 2 higher / Alu 64 / 128 / 256 / 384 / 512 / 768 / 1,024, 1%: CORH, UDP/IP, HTTP, HTTPs, RTF	2 bit) 2 bit) 2 bit) 2 bit) 2 bit) 2 bit) 2 bit) 2 bit) 2 bit) 2 bit 3 20 2 k400 / OVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps (320 × 240), up to 30 fps y / Best effort 1 ps 2 0 × 180, up to 30 fps y / Best effort 1 ps 2 0 × 180, up to 30 fps y / Best effort 1 ps 2 2 / 1, 536 / 2, 048 / 3,072 / 1.264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps d.711 64 kbps d.711 64 kbps (2,048 / 4,096 / 8,192 kbps / Unlimited FT, SMTP, DNS, NTP, SMMP, DHCPvf	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Audio Con Audio I fut Total Bit R	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Transmission Type Transmission Type Transmission Type Aspect Transmission Type Transmission Type Transmis	Microsoft* Windows* XP SP3 Microsoft* Windows* XP SP3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 9.0 (3 Windows* Internet Explorer* 6.0 (3 Windows* Internet Explorer* 6.0 (3 10Base-T / 100Base-TX, FJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (4 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps H.264: 1,280 × 960 / 800 Constant bitrate / Framerate priorit 1/3 / 57 / 57 / 10 / 12 / 15 / 20 / 30 64 / 128 / 256 / 384 / 512 / 768 / 1 s/ UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic (Line) input / Audio outp Interactive (Full duplex) Level 1 only / Level 2 higher / All us 64 / 128 / 256 / 384 / 512 / 768 / 1.024.	2 bit) 2 bit) 2 bit) 2 bit) P3 mector (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort fps 024 / 1,536 / 2,048 / 3,072 / .264 mode only 2 s / 3 s / 4 s / 5 s 	

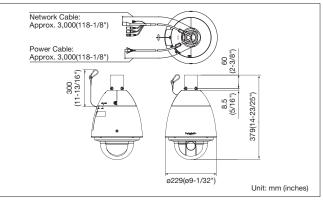
TV System		NTSC	PAL	
Network	FTP Client	Alarm image transfer, Periodic image transfer (When the FTP periodic transmission		
		is failed, backup on an optional SDHC/SD memory card is available.)		
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC		
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure		
		Compatible SD (SDHC) card: Panasonic 256 MB, 512 MB, 1 GB,		
		2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card		
	Face Detection	ON / OFF (with XML notification)		
	Cellular Phone Compatibility	JPEG image, panning/tilting/zoom control, AUX control (by access level)		
Alarm	Alarm Source	3x Terminal inputs, VMD, Command alarm , Auto track		
	Alarm Actions	SD memory recording, E-mail notification, Indication on browser, Camera positioning, Preset		
		position 1 ~ 64, FTP image transfer, Terminal output, Panasonic protocol output, Auto track		
	Alarm Log	With SD memory card: 5,000 logs, Without SD memory card: 1,000 logs		
	Schedule	Alarm/VMD/Access permission, Preset position call, Position refresh, H.264 recording		
Input /	Monitor Output	1.0 V [P-P] / 75 Ω, NTSC composite, 1.0 V [P-P] / 75 Ω, PAL composite,		
Output	(for adjustment)	BNC	BNC	
	Microphone/Line Input	MIC IN and Line IN are selectable. ø3.5 mm monaural mini jack		
		(Applicable microphone: Plug-in power type),		
		Supply voltage: 2.5 V ±0.5 V, Input impedance: approx. 2 kΩ		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
	External I/O Terminals	ALARM IN 1 / DAY/NIGHT IN, ALARM IN 2 / ALARM OUT,		
		ALARM IN 3 / AUX OUT (x1 each)		
General	Safety/EMC Standard	UL (UL60065-1), FCC (Part15 ClassA),	CE	
		C-UL (CAN/CSA C22.2 No.60950-1),	(EN55022 ClassB, EN55024)	
		DOC (ICES003 ClassA)		
	Power Source/	24 V AC (50 Hz / 60 Hz): approx. 43 W Heater ON		
	Consumption	PoE Plus: approx. 24.0 W (IEEE802.3at compliant, Class 4 device) Heater ON		
	Ambient Operating	-50 °C ~ +55 °C (-58 °F ~ 131 °F) (24 V AC) *4,*5		
	Temperature/Humidity	-30 °C ~ +55 °C (-22 °F ~ 131 °F) (PoE Plus), 90 % or less (without condensation)		
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible		
	Dimensions	ø229 mm x 379 mm (H) (ø9-1/32" x 14-23/25"(H)), Diameter of the dome: 150 mm (5-29/32")		
	Mass (approx.)	4.6 kg (10.15 lbs.)		

¹ Microsoft Windows 7S starter, Microsoft Windows VS Starter and Microsoft Windows XP Professional 64-bit Edition are not supported. "2 H.264 and MPEG-4 are alternative. "3 [4 : 3] and [16 : 9] are alternative. "4 When used with a continuous power supply (camera internal temperature must be above -10°C, and installation and startup should be done at above -30°C). "5 When using this product at temperatures of -40°C or bellow, use the power supply between 24 V AC and 27 V AC.

Part Names and Functions



Appearance



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Important

Safety Precaution: carefully read the operating instructions and installation manual before using this product.
Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.

• All TV pictures are simulated. • Masses and dimensions are approximate. • Specifications are subject to change without notice. • These products may be subject to export control regulations. • All product pictures are NTSC models.

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