Panasonic ideas for life

Super Dynamic Weather Resistant **HD Dome Network Camera** WV-SW395



HD/1,280 x 960 H.264 Weather Proof Camera featuring 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
- 18x optical zoom with 12x digital zoom enabling 216x zoom. 36x extra optical zoom under VGA resolution with 12x digital zoom enabling 432x 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 F1.6 (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.
- Panning with auto flip function can be performed 0 to 360 degrees.
- 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 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 64 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 Detector) 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 is supplied to work 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 GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL) / English, French (NTSC) * Installation required except for English
- 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
- Supports Power over Ethernet Plus (PoE+) IEEE 802.3at Does not support IEEE802.3af
- 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 -40 °C ~ +50 °C (-40 °F ~ +122 °F) (24 V AC), -30 °C ~ +50 °C (-22 °F ~ 122 °F) (PoE+)

Standard Accessories

- CD-BOM*1 .1 pc
- Installation Guide.....1 pc. The followings are for installation.
- Front/Rear Sun Shield Fixing Screws ... 2 pcs. (incl. 1 spare) Code Label*21 pc.
- *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

Optional Accessory

Connector Kit for 24 V AC

8P Alarm Čable .



- BB-HCA5A (NTSC model) BB-HCA5CE (PAL model, Korea)
- User License Accessory (For H.264) BB-HCA8A (NTSC model) BB-HCA8CE (PAL model, Korea)

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

- * Required in Korea
- Front/Rear Sun Shield 1 set

..... 1 pc.

..... 1 pc.

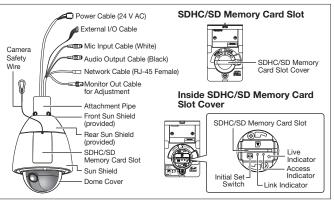
Specifications

	1		NTSC	PAL
Camera	Image Sensor		1/3 type MOS Sensor	
	Effective P		Approx. 1.3 megapixel	
	Scanning Mode		Progressive scan	
	Scanning Area		4.8 mm (H) x 3.6 mm (V)	
	Minimum I	llumination	Color: 0.5 lx, B/W: 0.06 lx at F1.6 (Shutter: 1/30 s, AGC: High),	
			Color: 0.031 lx, B/W: 0.004 lx at F1.6 (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,	
			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)	
	Adaptive E	Black Stretch	ON / OFF	
	AGC		ON (LOW, MID, HIGH) / OFF	
	Electronic Sensitivity UP		OFF, max. 2/30 s, max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30	
		White Mode	Mode: AUTO1 / AUTO2 / AUTO3 / ON / OFF, Level: High / Low, with external control High / Low	
	Digital Noi	se Reduction		
	Digital Noise Reduction Video Motion Detection		4 areas, Sensitivity: 15 steps, Dete	ction size: 10 steps
	Privacy Zone		Up to 8 zones, Gray / Mosaic	
	Auto Image Stabilizer		ON / OFF	
	Auto Image Stabilizer Camera Title (OSD)		Up to 20 alphanumeric characters (3 selectable character sizes)	
Lone			Up to 20 alphanumeric characters (3 selectable character sizes) 4.7 mm ~ 84.6 mm	
Lens	Focal Length		4.7 mm ~ 84.6 mm 18x / 36x with extra optical zoom (under VGA)	
	Zoom Ratio			
	Digital (Electronic) Zoom		12x (Max. 432x combined with extra optical zoom under VGA)	
	Angular Field of View		H: 3.2° (Tele) ~ 55.2° (Wide), V: 2.4° (Tele) ~ 42.1° (Wide)	
	Maximum Aperture Ratio		1 : 1.6 (Wide) ~ 4.6 (Tele)	
	Focusing Range		1.5 m ~ ∞	
	Aperture Range		F1.6 ~ 22, Close	
Pan and Tilt	Panning Range		0° ~ 350°	
	Panning Speed		Manual: approx. 0.5°/s ~ 100°/s, Up to 256 steps (depending on the controller)	
			Preset: up to approx. 300°/s	
	Tilting Range		-30° ~ 90° (upward-level-downward)	
	Tilting Speed		Tilting angle limit: 10° / 5° / 3° / 0°	/ _3° / _5° / _10° / _15° / _20° *4 /
			-25° *4 / -30° *4	
			Manual: approx.0.5°/s ~ 100°/s, Up to 256 steps (depending on the controller)	
			Preset: up to approx. 100°/s	
	Proportional Pan/Tilt Control		Yes	
	Number of Preset Positions		64	
	Auto Mode		OFF / preset sequence / auto pan / auto track	
	Auto Mode Image Hold		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 /	
	Seir Return		30 min / 60 min	
	Pan/tilt Flip *1		ON / OFF	
	Map Shot			
Deserves of the		- unit unit	360° map shot / preset map shot	Niel eestering Dree eester hie
Browser GUI	Camera Control		Pan/Tilt (16 steps), Zoom, Focus, Click centering, Drag zoom, Iris,	
	Disalau Mad		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.	
	Camera Title		Up to 20 alphanumeric characters	
	Clock Display		Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/AUTO)	
	Alarm Control		Reset	
	One Shot Capture		A still picture will be displayed on a	
	Audio SD Memory Data Download		Mic (Line) Input: ON / OFF Volume	
			Audio Output: ON / OFF Volume adjustment: Low / Middle / High	
			Still or motion images recorded in the SDHC/SD memory card can	
			be downloaded.	
	GUI/Setup Menu Language System Log		English, French	English, French, Italian, Spanish,
			(Installation required for French)	German, Russian (Installation
				required except for English)
			Up to 100 (Internal), Up to 4,000 (S	DHC/SD memory when the
			recording format is set to JPEG.) e	rror logs
	Supported OS		Microsoft® Windows® 7 Profession	
			Microsoft® Windows Vista® Busine	
			Microsoft® Windows® XP Professio	
				me as selected GLII language
	Supported	Browser	The language of the OS must be sa	
	Supported	Browser	The language of the OS must be sa Windows® Internet Explorer® 8.0 (Microso	ft® Windows® 7 Professional 64 bit/32 bit
	Supported	Browser	The language of the OS must be sa Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 7.0 (Microso	ft® Windows® 7 Professional 64 bit/32 bit ft® Windows Vista® Business SP1 32 bit
Network			The language of the OS must be sa Windows® Internet Explorer® 8.0 (Microso Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Mi	ft [®] Windows [®] 7 Professional 64 bit/32 bit) ft [®] Windows Vista [®] Business SP1 32 bit) crosoft [®] Windows [®] XP Professional SP3
Network	Network IF	-	The language of the OS must be sa Windows® Internet Explorer® 8.0 (Microso Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 coi	ft [®] Windows [®] 7 Professional 64 bit/32 bit) ft [®] Windows Vista [®] Business SP1 32 bit) crosoft [®] Windows [®] XP Professional SP3 nnector
Network	Network IF Image	Aspect ratio:	The language of the OS must be sa Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 7.0 (Microso Microsoft [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base=7 / 100Base=7X, RJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (64	tt [®] Windows [®] 7 Professional 64 bit/32 bit ft [®] Windows Vista [®] Business SP1 32 bit) crosoft [®] Windows [®] XP Professional SP3 nector 0 × 480) / QVGA (320 × 240), up to 30 fp:
Network	Network IF Image Resolution	Aspect ratio:	The language of the OS must be sa Windows [®] Internet Explorer [®] 8.0 (Wincoss Windows [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 10DBase-T X, FU-45 co H 264: 1280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA	tf [®] Windows [®] 7 Professional 64 bit/32 bit ft [®] Windows Vista [®] Business SP1 32 bit prosoft [®] Windows [®] XP Professional SP3 nector 0 × 480) / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fps
Network	Network IF Image	Aspect ratio:	The language of the OS must be sa Windows [®] Internet Explorer [®] 7.0 (Microsc Windows [®] Internet Explorer [®] 7.0 (Microsc Microsoft [®] Internet Explorer [®] 7.0 (Microsc 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800	tf [®] Windows [®] 7 Professional 64 bit/32 bit ft [®] Windows Vista [®] Business SP1 32 bit prosoft [®] Windows [®] XP Professional SP3 nector 0 × 480) / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fps
Network	Network IF Image Resolution	Aspect ratio: [4 : 3]	The language of the OS must be s: Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 7.0 (Microso: Microsoft [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co 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	#® Windows® 7 Professional 64 bit/32 bit #14" Windows Vista® Business SP1 32 bit crosoft® Windows® XP Professional SP3 nnector 0 × 480) / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fps × 600 / VGA (640 × 480) /
Network	Network IF Image Resolution	Aspect ratio: [4 : 3] Aspect ratio:	The language of the OS must be sa Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-T X, FU-45 co. H264: 1,280 × 960 / 800 v 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	ft [®] Windows [®] 7 Professional 64 bit/22 bit ft [®] Windows Vista [®] Business SP1 32 bit rosoft [®] Windows [®] XP Professional SP3 nnector 0 × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps
Network	Network IF Image Resolution *2 *3	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	The language of the OS must be sa Windows [®] Internet Explorer [®] 8.0 (Microso Mindows [®] Internet Explorer [®] 7.0 (Microso Microsoft [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-T X, FU-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	tt [®] Windows [®] 7 Professional 64 bit/32 bit tt [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector 0 × 480 / OVGA (320 × 240), up to 30 fp (320 × 240), up to 30 dps 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps
Network	Network IF Image Resolution *2 *3 H.264/	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode	The language of the OS must be s: Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co 1264: 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 H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit	tt [®] Windows [®] 7 Professional 64 bit/32 bit ttt [®] Windows Vista® Business SP1 32 bit crosoft® Windows [®] XP Professional SP3 nnector 0 × 480 / 20/GA (320 × 240), up to 30 fp (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
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate	The language of the OS must be sa Windows [®] Internet Explorer [®] 8.0 (Microsof Windows [®] Internet Explorer [®] 7.0 (Microsof Microsoft [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-T X, FJ4-45 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 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,780 × 720 / 640 × 360 / 34 Constant bitrate / Framerate priorit	tt [®] Windows [®] 7 Professional 64 bit/22 bit ft [®] Windows Vista [®] Business SP1 32 bit rocosch [®] Windows [®] XP Professional SP3 nnector 0 × 480/ / QVGA (320 × 240), up to 30 fp (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 1 / 3 / 57 / 75 / 10 / 12 / 15 / 20 / 30 fps
Network	Network IF Image Resolution *2 *3 H.264/	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode	The language of the OS must be ss Windows ⁸ Internet Explorer [®] 8.0 (Microso Windows ⁸ Internet Explorer [®] 7.0 (Microso Microsoft [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-T, 100Bas	tt [®] Windows [®] 7 Professional 64 bit/32 bit tt [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector 0 × 480/ OVGA (320 × 240), up to 30 fp (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 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 24 / 1,536 / 2,048 / 3,072 /
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	The language of the OS must be ss Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 10DBase-TX, RJ-45 co 1264: 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 H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1, 4,096 / 8, 192* kbps / Unlimited * H	tt [®] Windows [®] 7 Professional 64 bit/32 bit tt [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector 0 × 480/ OVGA (320 × 240), up to 30 fp (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 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 24 / 1,536 / 2,048 / 3,072 /
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate	The language of the OS must be sa Windows [®] Internet Explorer [®] 8.0 (Mores Windows [®] Internet Explorer [®] 0.10 (Mores Microsoft [®] Internet Explorer [®] 6.0 SP3 (Mi 10 Base-T / 100 Base-T X, FJ-45 co. H264: 1,280 × 960 / 800 vol 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 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 8,192* kbps / Unlimited * H LOWV / NORMAL / FINE	tt [®] Windows [®] 7 Professional 64 bit22 bit ft [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 4ps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort 1/3 / 57.75.710/12/15/20/30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	The language of the OS must be ss Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 10DBase-TX, RJ-45 co 1264: 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 H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1, 4,096 / 8, 192* kbps / Unlimited * H	tt [®] Windows [®] 7 Professional 64 bit22 bit ft [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 4ps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort 1/3 / 57.75.710/12/15/20/30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality	The language of the OS must be ss Windows ⁸ Internet Explorer [®] 8.0 (Microso Windows ⁸ Internet Explorer [®] 7.0 (Microso Windows ⁸ Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 × 800 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / VGA 64 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 / 15 / 20 / 30 fps d / 128 / 266 / 384 / 512 / 768 / 1 4,096 / 8,192' kbps / Unlimited * H LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.35 s / 0.5 s / 1 s /	tt [®] Windows [®] 7 Professional 64 bit22 bit ft [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 4ps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort 1/3 / 57.75.710/12/15/20/30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type	The language of the OS must be s: Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co 1264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / VGA 4 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 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 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 / UNICAST	tt [®] Windows [®] 7 Professional 64 bit22 bit ft [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 4ps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort 1/3 / 57.75.710/12/15/20/30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	The language of the OS must be si Windows [®] Internet Explorer [®] 8.0 (Micross Windows [®] Internet Explorer [®] 0.0 (Micross Microsoft [®] Internet Explorer [®] 0.0 SP3 (Mi 10Base-T / 100Base-TX, FJ-45 co H.2641; 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 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 30 fps G4 / 128 / 256 / 384 / 512 / 768 / 1 4,066 / A, 192 / kbps / Unlimited * H LOW / NORMAL / FINE Q.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps	tt [®] Windows [®] 7 Professional 64 bit22 bit ft [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 4ps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort 1/3 / 57.75.710/12/15/20/30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG)	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transision Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	The language of the OS must be s: Windows ⁸ Internet Explorer [®] 8.0 (Microso Windows ⁸ Internet Explorer [®] 7.0 (Microso Windows ⁸ Internet Explorer [®] 7.0 (Microso Windows ⁸ Internet Explorer [®] 6.0 SP3 (Mi 10Base-7 / 100Base-TX, RJ-45 co H.264: 1,280 × 800 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / VGA 64 MPEG-4: VGA (640 × 480) / OVGA JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 4 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 8,192° 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	tt [®] Windows [®] 7 Professional 64 bit/32 bit tt [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector 0 × 480/ OVGA (320 × 240), up to 30 fp (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 1/3/5/7.75/10/12/15/20/30 fps 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only 2 s / 3 s / 4 s / 5 s
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Image Quality Transmission Type Image Duality Transmission Type Image Duality	The language of the OS must be ss Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 SP3 (Microsoft [®] Internet States) (Microsoft [®] Internet Sta	#Windows [®] 7 Professional 64 bit22 bit ft [®] Windows Vista [®] Business SP1 32 bit ft [®] Windows [®] XP Professional SP3 nnector 0 × 480/ QVGA (320 × 240), up to 30 fp x 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / VGA (320 × 180, up to 30 fps y 18 est effort 1/3/5/7.5/10/12/15/20/30 fpi 024 / 1,536 / 2,048 / 3,072 / L264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG)	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Image Quality Transmission Type Image Duality Transmission Type Image Duality	The language of the OS must bess Windows [®] Internet Explorer [®] 8.0 (Micross Windows [®] Internet Explorer [®] 0.0 (Micross Microsoft [®] Internet Explorer [®] 0.0 SP3 (Mi 10Base-T / 100Base-TX, FJ-45 co H2641; 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 × 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 (JPEG) × 100 / 50 / 32 / 50 / 16 / 50 / 50 / 16 / 50 / 50 / 16 / 50 / 50 / 16 / 50 / 50 / 16 / 50 / 50 / 50 / 16 / 50 / 50 / 50 / 50 / 16 / 50 / 50 / 50 / 50 / 50 / 50 / 50 / 5	#Windows [®] 7 Professional 64 bit22 bit ft [®] Windows Vista [®] Business SP1 32 bit ft [®] Windows [®] XP Professional SP3 nnector 0 × 480/ QVGA (320 × 240), up to 30 fp x 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / VGA (320 × 180, up to 30 fps y 18 est effort 1/3/5/7.5/10/12/15/20/30 fpi 024 / 1,536 / 2,048 / 3,072 / L264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc	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 Type Image Quality	The language of the OS must be s: Windows ⁸ Internet Explorer ⁶ 8.0 (Microso Windows ⁸ Internet Explorer ⁶ 7.0 (Microso Windows ⁸ Internet Explorer ⁶ 7.0 (Microso Windows ⁸ Internet Explorer ⁶ 6.0 SP3 (Mi 10Base-7 / 100Base-TX, RJ-45 co H.264: 1,280 × 800 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / VGA 64 MPEG-4: VGA (640 × 480) / OVGA JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 173 / 57 / 7.5 / 10 / 15 / 20 / 30 tps JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 173 / 57 / 7.5 / 10 / 15 / 20 / 30 tps d / 128 / 266 / 384 / 51 / 768 / 1 4,096 / 8,192° kbps / Unlimited * H LOW / NORMAL / FINE 0.2 s / 0.25 / 0.35 / 0.3 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)	#® Windows® 7 Professional 64 bit/32 bit ft® Windows Vista® Business SP1 32 bit orcosoft® Windows % XP Professional SP3 nnector 0 × 480 / QVGA (320 × 240), up to 30 fp 3(20 × 240), up to 30 400 20 × 180, up to 30 400 21 / 1/3 /5 / 7.5 / 10 / 12 / 15 / 20 / 30 400 22 × 3 × / 4 × / 5 × 23 × 3 × / 4 × / 5 × 33 × / 4 × / 5 × 33 × / 4 × / 5 × 34 × / 5 × 35 × / 4 × / 5 ×
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Authentica	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Image Quality Transmission Type Image Quality Transmission Jupe Image Quality Transmission Jupe Image Quality Transmission Jupe	The language of the OS must be ss Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 (SP3 (Microso Microsoft [®] Internet Explorer [®] 6.0 SP3 (Microso Microsoft [®] Internet Explorer [®] 6.0 SP3 (Microso H264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG - 4: VGA (640 × 480) / VGA 4 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 1/3/5/7.5/10/15/20/30 fps 64 / 128 / 256 / 384 / 512 / 768 / 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 / 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	t ⁴⁹ Windows ⁶⁹ 7 Professional 64 bit22 bit ft ⁶⁹ Windows Vista ⁶ Business SP1 32 bit recosoft ⁸ Windows ⁶ XP Professional SP3 nnector 0 × 480/ QVGA (320 × 240), up to 30 fp (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 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only 2 s / 3 s / 4 s / 5 s
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Audio Ando Audio Sta	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 Ouality Transmission Type Image Ouality Transmission Type Image Ouality Transmission Type Image Ouality Transmission Type Image Ouality Transmission Type Transmission Type Trans	The language of the OS must be ss Windows ⁸ Internet Explore [#] 8.0 (Microso Windows ⁸ Internet Explore [#] 7.0 (Microso Windows ⁸ Internet Explore [#] 7.0 (Microso Windows ⁸ Internet Explore [#] 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co H264: 1,280 × 960 / 800 × 600 / V3A (64 MPEG-4: V3A (640 × 480) / QV3A JPEG (MJPEG): 1.280 × 580 / 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 / 15 / 20 / 30 fps G4 / 128 / 256 / 384 / 512 / 766 / 1, 4,096 / 8,192* kbps / Unlimited * I LOW / NORMAL / FINE OV / NORMAL / FINE D 0 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 G4 / 128 / 256 / 384 / 512 / 768 / 1,024	t ⁴⁹ Windows [®] / Professional 64 bit/22 bit ft [®] Windows Vista [®] Business SP1 32 bit crosoft [®] Windows [®] XP Professional SP3 nnector 0 × 460 / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 40 yr 20 × 180, up
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Authentica	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 Ouality Transmission Type Image Ouality Transmission Type Image Ouality Transmission Type Image Ouality Transmission Type Image Ouality Transmission Type Transmission Type Trans	The language of the OS must be ss Windows [®] Internet Explorer [®] 8.0 (Microso Windows [®] Internet Explorer [®] 6.0 (SP3 (Microso Microsoft [®] Internet Explorer [®] 6.0 SP3 (Microso Microsoft [®] Internet Explorer [®] 6.0 SP3 (Microso H264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG - 4: VGA (640 × 480) / VGA 4 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 1/3/5/7.5/10/15/20/30 fps 64 / 128 / 256 / 384 / 512 / 768 / 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 / 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	#Windows® 7 Professional 64 bit/22 bit ft® Windows® XP Professional SP3 nnector 0 × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fp × 600 / VGA (320 × 240), up to 30 fp × 600 / VGA (320 × 240), up to 30 fp × 600 / VGA (320 × 240), up to 30 fp 20 × 180, up to 30 fps × 360 / VGA (320 × 180, up to 30 fps × 360 / VGA (320 × 180, up to 30 fps × 360 / J20 × 180, up to 30 fps × 360 / J20 × 180, up to 30 fps × 360 / J20 × 180, up to 30 fps × 360 / J20 × 180, up to 30 fps × 360 / J20 × 180, up to 30 fps // J / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only 2 s / 3 s / 4 s / 5 s <

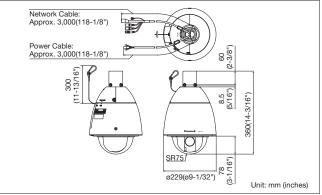
TV System		NTSC	PAL	
Network	FTP Client	Alarm image transfer, Periodic image transfer (When the FTP periodic transmission		
		is failed, backup on an optional SDHC/SD memory card is available.)		
	No. of Simultaneous Users			
	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule 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		
	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), FCC (Part15 ClassA),	CE (EN60065, EN55022 ClassB,	
	-	C-UL (CAN/CSA C22.2 No.60065),	EN55024), GOST (GOST R 51558)	
		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	-40 °C ~ +50 °C (-40 °F ~ 122 °F) (24 V AC) *5,		
	Temperature/Humidity	-30 °C ~ +50 °C (-22 °F ~ 122 °F) (PoE Plus), 90 % or less (without condensation)		
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible		
	Dimensions	ø239 mm x 360.5 mm (H) (ø9-7/16" x 14-3/16" (H)), Diameter of the dome: 160 mm (6-5/16")		
	Mass (approx.)	4.6 kg (10.14 lbs.)		

¹⁴ Application software V.1.05 / Driver software V.1.22 or later. The par/tilt-flip function cannot be activated by clicking live images. When the zoom ratio is adjusted to the "TELE" side, images will be partially hidden even if the par/till-flip function is activated. "2 H.264 and MPEG-4 are alternative. "3 [4 : 3] and [16 : 9] are alternative. "4 Images may partially covered depending on the housing brackets. "5 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.)

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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