

Super Dynamic Weather Resistant **HD Dome Network Camera WV-SW**395



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 (Type2 compliant, Class 4 device) 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 $(-40 \text{ °F} \sim +122 \text{ °F}) (24 \text{ V AC}), -30 \text{ °C} \sim +50 \text{ °C} (-22 \text{ °F} \sim 122 \text{ °F}) (PoE+)$

Standard Accessories

• CD-ROM*1
The followings are for installation. • 8P Alarm Cable

- Front/Rear Sun Shield Fixing Screws 2 pcs. (incl. 1 spare)
- Code Label*2 ...
- *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

Wall Mount Bracket WV-Q122 (PAL model only)



- User License Accessory (For MPEG-4) BB-HCA5A (NTSC model) BB-HCA5CE (PAL model, Korea)*
- User License Accessory (For H.264) BB-HCA8A (NTSC model) BB-HCA8CE (PAL model, Korea)*

Specifications

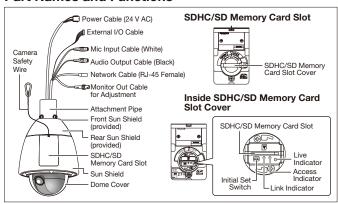
TV System			NTSC	PAL	
Camera	Image Sen	eor	1/3 type MOS Sensor	FAL	
-amera	Image Sensor Effective Pixels		Approx. 1.3 megapixel		
	Scanning I		Progressive scan		
	Scanning /		4.8 mm (H) x 3.6 mm (V)		
	Minimum I			(Shuttor: 1/20 a ACC: High)	
	IVIIIIIIIIIIIII	iiuiiiiiatioii	Color: 0.51 k, B/W: 0.06 lx at F1.6 (Shutter: 1/30 s, AGC: High),		
	White Bala	nco	Color: 0.031 lx, B/W: 0.004 lx at F1.6 (Shutter: 16/30 s, AGC: High) AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)		
	Light Cont		Indoor scene (50 Hz / 60 Hz) / Out		
	Shutter Sp		Fix shutter: OFF (1/30), 3/100, 3/13 1/120, 1/250, 1/500, 1/1,000, 1/2,0		
	Super Dynamic Face Super Dynamic		ON / OFF ON / OFF (Only at Super Dynamic: ON)		
	Dynamic Range Adaptive Black Stretch		52 dB typical (Super Dynamic: ON, Light Control mode: Indoor) ON / OFF		
	AGC		ON (LOW, MID, HIGH) / OFF		
	Electronic	Sensitivity UP	OFF, max. 2/30 s, max. 4/30 s, max	c. 6/30 s, max. 10/30 s, max. 16/30	
	Black and White Mode		Mode: AUTO1 / AUTO2 / AUTO3 / ON / OFF, Level: High / Low, with external control		
		se Reduction	High / Low 4 areas, Sensitivity: 15 steps, Dete	ection size: 10 steps	
	Video Motion Detection Privacy Zone		Up to 8 zones, Gray / Mosaic		
	Auto Image Stabilizer		ON / OFF		
				(2 palastable abarastar sizas)	
	Camera Title (OSD)		Up to 20 alphanumeric characters	(3 selectable character sizes)	
Lens	Focal Length		4.7 mm ~ 84.6 mm	(. I . V(0.4)	
	Zoom Ratio		18x / 36x with extra optical zoom		
	Digital (Electronic) Zoom		12x (Max. 432x combined with ext		
	Angular Fie		H: 3.2° (Tele) ~ 55.2° (Wide), V: 2.4	(1 ele) ~ 42.1" (Wide)	
		Aperture Ratio	1 : 1.6 (Wide) ~ 4.6 (Tele)		
	Focusing F		1.5 m ~ ∞		
	Aperture P		F1.6 ~ 22, Close		
Pan and Tilt	Panning R		0° ~ 350° (With Pan-Flip: 0°~ 360		
	Panning Speed		Preset: up to approx. 300°/s	256 steps (depending on the controller	
	Tilting Range		-30° ~ 90° (upward-level-downward) (With Tilt-Flip: -30° ~ 210°) Tilting angle limit: 10° / 5° / 3° / 0° / -3° / -5° / -10° / -15° / -20° *4 / -25° *4 / -30° *4		
	Tilting Spe	ed	Manual: approx.0.5°/s ~ 100°/s, Up to 256 steps (depending on the controller) Preset: up to approx. 100°/s		
	Proportiona	l Pan/Tilt Control	Yes		
	Number of Preset Positions		64		
	Auto Mode		OFF / preset sequence / auto pan / auto track		
	Image Hold		ON / OFF		
	PTZ Position Display Self Return		ON / OFF		
			10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min		
	Pan/tilt Flip	o *1	ON / OFF		
	Map Shot		360° map shot / preset map shot		
Browser GUI	Camera Co	ontrol	Pan/Tilt (16 steps), Zoom, Focus,	Click centering, Drag zoom, Iris.	
	Display Mode Camera Title		Preset position call and program, Auto mode Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
			spot, Quad. Image from 10 cameras can be displayed in 4 unierent Quad screens or 16 split screen (JPEG only). 20 characters camera title available Up to 20 alphanumeric characters		
	Clock Disp		Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/AUTO)		
				e browser, Summer time (Manual/AOTO)	
	Alarm Con		Reset		
	One Shot Capture Audio SD Memory Data Download		A still picture will be displayed on a newly opened window. Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,		
			Audio Output: ON / OFF Volume a Still or motion images recorded in		
	GUI/Setup Menu Language System Log Supported OS		be downloaded. English, French	English, French, Italian, Spanish,	
			(Installation required for French) Up to 100 (Internal), Up to 4,000 (\$	German, Russian (Installation required except for English)	
			recording format is set to JPEG.) e	error logs	
			Microsoft® Windows Vista® Busine Microsoft® Windows® XP Professi	ess SP1 32 bit, onal SP3	
	Supported	Browser	Windows® Internet Explorer® 7.0 (Micros	oft® Windows® 7 Professional 64 bit/32 bit oft® Windows Vista® Business SP1 32 bit	
_			Windows® Internet Explorer® 8.0 (Microso Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (M	oft® Windows® 7 Professional 64 bit/32 bit oft® Windows Vista® Business SP1 32 bit icrosoft® Windows® XP Professional SP3	
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Network			Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 6.0 SP3 (Micros	off® Windows® 7 Professional 64 bit/32 bit off® Windows Vista® Business SP1 32 bit, licrosoft® Windows® XP Professional SP3 onnector 40 × 480) / QVGA (320 × 240), up to 30 fp	
Network	Network IF	Aspect ratio:	Windows® Internet Explorer® 8.0 (Micross Windows® Internet Explorer® 7.0 (Micros Windows® Internet Explorer® 6.0 SP3 (M Icrosoft® Internet Explorer® 6.0 SP3 (M 10Base-T / 100Base-T X, RJ-45 cc H.264: 1,280 x 960 / 800 x 600 / VGA (6 M PEG-4: VGA (640 x 480) / QVGA JPEG (WJPEG): 1,280 x 960 / 800	off® Windows® 7 Professional 64 bit/32 bit off® Windows Vista® Business SP1 32 bit licrosoft® Windows® XP Professional SP3 winector 40 x 480) / QVGA (320 x 240), up to 30 fp x (320 x 240), up to 30 fps	
Network	Network IF Image Resolution	Aspect ratio: [4 : 3] Aspect ratio:	Windows® Internet Explorer® 2.0 (Micros Windows® Internet Explorer® 7.0 (Micros Wincrosoft® Internet Explorer® 6.0 SP3 (M 10Base-T7 / 10DBase-TX, RJ-45 ct R-264: 1,280 x 960 / 800 x 600 / VGA (6 MPEG-4: VGA (640 x 480) / QVGA JPEG (MJPEG): 1,280 x 960 / 800 VGA (6 MPEG-4: VGA (640 x 480) / QVGA (320 x 240), up to 30 fps H.264: 1,280 x 720 / 640 x 360 / 3	tif [®] Windows [®] 7 Professional 64 bit/32 bit oft [®] Windows Vista [®] Business SP1 32 bit icrosoft [®] Windows [®] XP Professional SP3 innector 10 × 480/ OVGA (320 × 240), up to 30 fp x 600 / VGA (640 × 480) / 120 × 180, up to 30 fps	
Network	Network IF Image Resolution *2 *3	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Windows® Internet Explorer® 8.0 (Micross Windows® Internet Explorer® 7.0 (Micros Windows® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (M 10Base-T / 100Base-TX, RJ-45 cc H.264: 1,280 x 960 / 800 x 600 / VGA (6.40 x 480 / CVGA (6.40 x 480 / CVGA (320 x 240), up to 30 fps H.264: 1,280 x 720 / 640 x 720 x	off® Windows® 7 Professional 64 bit/32 bit, with windows Vista® business SP1 32 bit) licrosoft® Windows® XP Professional SP3 synector 40 × 480 / OVGA (320 × 240), up to 30 fp. (320 × 240), up to 30 fp. × 600 / VGA (640 × 480) /	
Network	Network IF Image Resolution *2 *3	Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode	Windows® Internet Explorer® 8.0 (Micross Windows® Internet Explorer® 7.0 (Micros Microsoft® Internet Explorer® 6.0 SP3 (M 10Base-T / 100Base-TX, RJ-45 cc H.264: 1,280 x 960 / 800 x 600 / VGA (6.40 x 480) / QVGA JPEG (MJPEG): 1,280 x 960 / 800 QVGA (320 x 240), up to 30 fps H.264: 1,280 x 720 / 640 x 360 / 5 JPEG (MJPEG): 1,280 x 720 x 720 x 720 x 720 x 720 x 720 x	5ft® Windows® 7 Professional 64 bit/32 bit oft® Windows Vista® Business SP1 32 bit icrosoft® Windows® XP Professional SP3 innector 10 × 480) / GVGA (320 × 240), up to 30 fp × (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 120 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps ty / Best effort	
Network	Network IF Image Resolution *2 *3	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Windows® Internet Explorer® 8.0 (Micross Windows® Internet Explorer® 7.0 (Micros Windows® Internet Explorer® 6.0 SP3 (Microsoff® Internet Explorer® 6.0 SP3 (M 10Base-T / 100Base-TX, RJ-45 CH.264: 1,280 x 960 / 800 x 600 / VGA (AG40 x 480) / CVGA (JPEG (MJPEG): 1,280 x 960 / 800 CVGA (320 x 240), up to 30 fps Hz64: 1,280 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 120 x 360 x	off® Windows® 7 Professional 64 bit/32 bit, with windows Vista® business SP1 32 bit) icrosoft® Windows® XP Professional SP3 senector 40 × 480 / OVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fp × 600 / VGA (640 × 480) / VGA	
Network	Network IF Image Resolution *2 *3	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	Windows [®] Internet Explorer® 2.0 (Micros Windows [®] Internet Explorer® 7.0 (Micros Microsoft® Internet Explorer® 6.0 SP3 (M 10Base-T / 100Base-T X, RJ-45 c L264: 1,280 v 980 / 800 v 600 / VGA (6 MPEG-4: VGA (640 v 480) / QVGA JPEG (MJPEG): 1,280 v 960 / 800 QVGA (320 v 240), up to 30 fps H.264: 1,280 v 720 / 640 v 360 / 5 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 5 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 720 / 640 v 360 / 6 JPEG (MJPEG): 1,280 v 360 / 6 JPEG (MJPEG): 1,	off® Windows® 7 Professional 64 bit/32 bit, with windows Vista® business SP1 32 bit) icrosoft® Windows® XP Professional SP3 senector 40 × 480 / OVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fp × 600 / VGA (640 × 480) / VGA	
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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	Windows® Internet Explore® 8.0 Micross Windows® Internet Explore® 7.0 (Micros Microsoft® Internet Explore® 6.0 SP3 (M 10Base-T / 100Base-T X, RJ-45 c L264: 1,280 x 960 / 800 x 600 / VGA (6 MPEG-4: VGA (640 x 480 / QVGA / 26 0 x 240), up to 30 fps H.264: 1,280 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 400 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 400 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 400 x 360 / 3	off® Windows® 7 Professional 64 bit/32 bit off® Windows Vista® Ussiness SP1 32 bit icrosoff® Windows® XP Professional SP2 onnector 40 × 480/ QVGA (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / vista SP2 × 640, up to 30 fps ≥ 360 / 320 × 180, up to 30 fps ≥ 360 / 320 × 180, up to 30 fps 173 / 57.75 / 10 / 12 / 15 / 20 / 30 fps 173 / 57.75 / 10 / 12 / 15 / 20 / 30 fps + 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 Image Quality	Windows [®] Internet Explorer® 2.0 (Micross Windows [®] Internet Explorer® 7.0 (Micross Windows [®] Internet Explorer® 6.0 SP3 (M 10Base-T7 / 100Base-TX, RJ-45 ct H264: 1,280 x 980 / 800 x 600 / VGA (6 MPEG-4: VGA (640 x 480) / QVGA (320 x 240), up to 30 fps H.264: 1,280 x 960 / 800 x 720 / 640 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 640 x 360 x 360 / 3 JPEG (MJPEG): 1,280 x 720 / 640 x 360	off® Windows® 7 Professional 64 bit/32 bit off® Windows® 148 bit/ses SP1 32 bit/ bit/ses SP1 32 bit/ses SP1	
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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 Page Page Transmission Type Image Page Transmission Type Image Page Transmission Type	Windows® Internet Explore® 8.0 (Micross Windows® Internet Explore® 7.0 (Micros Windows® Internet Explore® 7.0 (Micros Microsoft® Internet Explore® 7.0 (Micros Microsoft® Internet Explore® 7.0 (SP3 (M 10Base-T / 100Base-T /	off® Windows® 7 Professional 64 bit/32 bit/stoff® Windows® 17 Professional SP132 bit/icrosoff® Windows® XP Professional SP3 p	
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 pression le tition for Audio	Windows® Internet Explore® 8.0 Micross Windows® Internet Explore® 6.0 SP3 (Microsoff® Internet Int	off® Windows® 7 Professional 64 bit/32 bit/stoff® Windows® 17 Professional SP132 bit/icrosoff® Windows® XP Professional SP3 p	

FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP

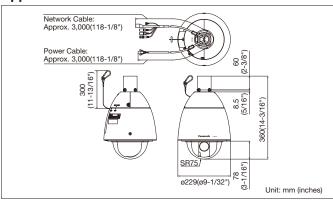
TV System		NTSC	PAL	
Network	FTP Client	Alarm image transfer, Periodic image transfer (When the FTP periodic transmission		
		is failed, backup on an optional SDHC/SD memory card is available.)		
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: 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 of	age, 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 Type2 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)		
	Lance to the second	IP66, IEC60529 measuring standard compatible		
	Water and Dust Resistance	iroo, iccooses measuring standard	Compatible	
	Dimensions	ø239 mm x 360.5 mm (H) (ø9-7/16" x 14-3/16		

[&]quot;1 Application software V.1.0.5 / Driver software V.1.22 or later. The pan/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 pan/tilt-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



Trademarks and registered trademarks

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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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