

Super Dynamic Weather Resistant HD Dome Network Camera WV-SW395 WV-SW395A

(Rain Wash Coating Model)



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 image 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 at 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 (ICR*) function: 0.5 lx (Color), 0.06 lx (B/W) at F1.6 (Wide)
 ICR: IR Cut filter Removal
- 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
- 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 to +50 °C (-40 °F to +122 °F) (24 V AC), -30 °C to +50 °C (-22 °F to 122 °F) (PoE+)
- Rain wash coating dome cover (WV-SW395A)
- Fog and sandstorm compensation

Standard Accessories

Otariaara 710000001100							
• CD-ROM*1							
The followings are for installation. • 8P Alarm Cable							
Connector Kit for 24 V AC							

- (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

WV-Q122, WV-Q122A

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

Wall Mount Bracket

1

- 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)*
- * Required in Korea.

Specifications

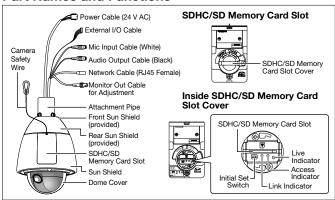
TV System Camera			NTSC	PAL
	Image Sen	isor	1/3 type MOS image sensor	
	Effective P		Approx. 1.3 mega pixels	
	Scanning I		Progressive scan	
	Scanning /		4.8 mm (H) x 3.6 mm (V)	
	Minimum Illumination Color: 0.5 lx, B/W: 0.06 lx at F1.6 (Shutter: 1/30 s, AGC			
			Color: 0.031 lx, B/W: 0.00 lx at F1.6 (Shutter: 1/30 s, AGC: High),	
	White Bala	ince	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) / Outdoor scene / Fix shutter	
	Shutter Sp			
	Shutter Sp	eeu	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	
	C D			00, 1/4,000, 1/10,000
	Super Dyn		On / Off	
	Face Supe		On / Off (only when Super Dynamic	
	Dynamic F		102 dB typical (Super Dynamic : Or	n, Light Control mode : Indoor)
	Adaptive Black Stretch		On / Off	
	Fog compensation		On / Off	
	AGC		On (Low) / On(Mid), On(High) / Off	
		Sensitivity UP	Off, max. 2/30 s, max. 4/30 s, max.	6/30 s. max. 10/30 s. max. 16/30 s
		White Mode	Mode: AUTO1 / AUTO2 / AUTO3	
biack a		TTING INGGO	Level : High / Low, with external co	
	Digital Noise Reduction Video Motion Detection Privacy Zone			IIIIOI
			High / Low	etion size: 10 stone
			4 areas, Sensitivity : 15 steps, Detection size: 10 steps Up to 8 zones, Gray / Mosaic	
	Auto Image Stabilizer		On / Off	
	Camera Ti	tle (OSD)	Up to 20 alphanumeric characters	(3 selectable character sizes)
Lens	Focal Leng	jth	4.7 mm - 84.6 mm	
	Zoom Rati		18x / 36x with extra optical zoom (a	at VGA)
	Digital (Electronic) Zoom		12x (Max. 432x combined with extra optical zoom at 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 F		1.5 m - ∞	
	Aperture F		F1.6 - 22, Close	
Pan and Tilt			0° - 350° (With Pan-Flip : 0°- 360°)
ranana nit				
	Panning S	peed	Manual : approx. 0.5°/s - 100°/s, Up to :	256 steps (depending on the controlle
	T1111 -		Preset : up to approx. 300°/s	B AARD TO FR
	Tilting Ran	ge	-30° to 90° (upward-level-downwar	rd) (With Tilt-Flip: -30° to 210°)
			Tilting angle limit :	
			10° / 5° / 3° / 0° / -3° / -5° / -10° /	
	Tilting Spe	ed	Manual: approx.0.5°/s - 100°/s, Up to 2	256 steps (depending on the controlle
			Preset : up to approx. 100°/s	
	Proportiona	I Pan/Tilt Control	Yes	
		Preset Positions	64	
	Auto Mode		Off / preset sequence / auto pan / a	auto track
	Image Hole		On / Off	auto tracit
			On / Off	
	PTZ Position Display Self Return Pan/tilt Flip *1 Map Shot GUI Camera Control Display Mode		10 s / 20 s / 30 s / 1 min / 2 min / 3	/F / 10 / 20 /
				min / 5 min / 10 min / 20 min /
			30 min / 60 min	
			On / Off	
			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, A	uto mode
			Spot, Quad : Image from 16 cameras	
			screens or 16 split screen (JPEG only)	
	Camera Ti	tle	Up to 20 alphanumeric characters	
	Clock Disp		Time: 12H / 24H, Date: 5 formats on th	e browser Summer time (Manual/ALI)
				o bronour, cummor timo (mandarrio i
	Alarm Con			
	Alarm Con		Reset	nowly ananad window
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			A still picture will be displayed on a Mic (Line) Input: On / Off Volume	e adjustment : Low / Middle / Hig
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	One Shot (Audio SD Memory	Capture y Data Download	A still picture will be displayed on a Mic (Line) Input: On / Off Volume	e adjustment : Low / Middle / Hig e adjustment : Low / Middle / Hig
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[•] Masses and dimensions are approximate. • Specifications are subject to change without notice

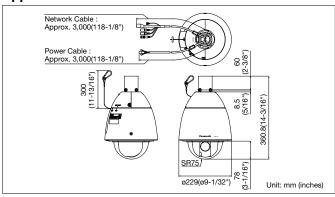
TV System	· · · · · · · · · · · · · · · · · · ·	NTSC	PAL	
Network	FTP Client	Alarm image transfer, Periodic image transfer (When the FTP periodic transmission		
		is failed, backup on an optional SDHC/SD memory card is available.)		
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: Manual REC / Ala	ecording: 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		
	Cellular Phone Compatibility	JPEG image, panning/tilting/zoom control, AUX control (by access level)		
	Mobile Terminal Compatibility *6	iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile terminals		
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)		
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) He		
	Ambient Operating	-40 °C to +50 °C (-40 °F to 122 °F) (24 V AC) *5,		
	Temperature/Humidity	-30 °C to +50 °C (-22 °F to 122 °F) (PoE Plus), 90 % or less (without condensation)		
	Impact Protection	IEC 62262 : 2002 IK10 (Impact energy 20J)		
	Water and Dust Resistance	IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.		
	Dimensions	ø229 mm x 360.8 mm (H) (ø9-1/32" x 14-3/16" (H)), Diameter of the dome: 150 mm (5-29/32")		
	Mass (approx.)	4.6 kg (10.14 lbs.)		

^{*1} Application software V.1.05 / Driver software V.1.22 or later. The pan/till-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/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.) '6 For further information about compatible devices, refer to our website (http://security.panasonic.com/pss/security/support/info.html).

Part Names and Functions



Appearance



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- Iradi, infolite and irod touri are registered viacemans or держение.

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Important

- Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product.
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