

Super Dynamic Weather Resistant HD PTZ Dome Network Camera WV-SW397B

(Rain Wash Coating Model)



HD / 1,280 x 720 H.264 Weather Proof Camera featuring 45x HD extra optical zoom and Super Dynamic

Key Features

- 720p HD images up to 30 fps
- Super high resolution at HD / 1,280 x 720
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 30x optical zoom, 45x HD extra optical zoom at 1,280 x 720
 90x extra optical zoom at 640x360 resolution with 12x digital zoom enabling 1080x zoom.
- Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- Face Super Dynamic technology ensures clear face image.
- High sensitivity with Day/Night (ICR*) function:
 0.1 lx (Color), 0.013 lx (B/W) at F1.6
 *ICR: IR Cut filter Removal
- VIQS (Variable Image Quality on Specified area) technology allows the designated 2 areas to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- VIQS can be set on preset position (1 to 8) and except preset.
- Smart coding Technology: Group of Pictures (GOP) control function removes unnecessary information from the frame for realizing efficient encoding.
- **GOP control** can save the network bandwidth and the disk space of recorder effectively.
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes:
 Outdoor scene / Indoor scene (50 Hz) / Indoor scene (60 Hz) / Fix shutter Indoor scene (50 Hz / 60 Hz): Flicker caused by fluorescent lightning will be automatically compensated.
- 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 "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
- Privacy Zone can mask up to 32 private areas, such as house windows and entrances/exits.
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDXC/SDHC/SD memory cording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic alarm protocol output.
- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- JPEG Image compression ratio can be changed by alarm so that higher quality image can be provided.
- Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (H.264 / JPEG)
- H.264 max. bit rate / client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Internet mode: H.264 images can be transmitted over HTTP protocol.
- Multi-language: English / Italian / French / German / Spanish / Portuguese / Russian / Chinese / Japanese
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard compliant.
- Dehumidification device for use in various weather conditions
- Rain wash coating dome cover
- Ambient Operating Temperature : -50 °C to +55 °C (-58 °F to 131 °F)
- Fog compensation function equipped as standard.
- AEM (Auto Eyelid Mechanism) offers images that are more natural and easy to watch reducing doubled images when direction of the lens moved above the horizontal.

Specifications

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Spe tiona er of Mod		
tion: er of Mod	and	Auto Eyelid Mechanism (Double image reduction) Selectable tilting angle:
Иod	al Pan/Tilt Control	10 °/5 °/3 °/0 ° °2 /-3 ° °2 /-5 ° °2 /-10 ° °2 /-15 ° °2 Manual: approx. 0.065°/s to 120°/s, Preset: up to approx. 300°/s Yes
	Preset Positions	256 Auto track / Auto pan / Preset sequence / 360 map-shot / Patrol
Image Hold		On / Off
Camera position display Self Return		Off / Pan-Tilt degree · Zoom ratio display / Direction display
Shot		10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min / 360° map shot / Preset map shot
Camera Control		Pan/Tilt (256 steps), Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode
Display Mode Camera Title		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quac screens or 16 split screen (JPEG only). 20 characters camera title availab Up to 20 alphanumeric characters (alphanumeric characters, marks)
Dis		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manua
Cor		Reset A still picture will be displayed on a newly opened window.
One Shot Capture Audio		Mic (Line) Input: On / Off Volume adjustment : Low / Middle / Hig
		Audio Output : On / Off Volume adjustment : Low / Middle / Hig
SD Memory Data Download GUI/Setup Menu Language		Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloade English / Italian / French / German / Spanish / Portuguese / Russian
System Log		Chinese / Japanese Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is
Supported OS *3 Supported Browser		set to JPEG.) error logs Microsoft® Windows® 10 Microsoft® Windows® 8.1
		Microsoft® Windows® 8 Microsoft® Windows® 7
		Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit)
		Windows® Internet Explorer® 10 (32 bit)
		Windows® Internet Explorer® 9 (32 bit) Windows® Internet Explorer® 8 (32 bit)
		Windows® Internet Explorer® 7 (32 bit)
Network IF Image Resolution		10Base-T / 100Base-TX, RJ45 connector • Image Capture Mode [16:9] (30 fps)
Image Resolution H.264		1,280 x 720 / 640 x 360 / 320 x 180
JPEG (MJPEG)		• Image Capture Mode [4 : 3] (30 fps)
_	Transmission	1,280 x 960 / 800 x 600 / 640 x 480 / 320 x 240 Constant bit rate / Variable bit rate / Frame rate priority /
	Mode	Best effort / Advanced VBR
*4	Frame Rate Bit Rate/Client	1/3/5/7.5/10/12/15/20/30 fps 64/128/256/384/512/768/1,024/1,536/2,048/3,072/4,096 6,144/8,192/10,240/12,288/14,336 kbps
	Image Quality Smart Coding mode	Low / Normal / Fine On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected.
	Transmission Type	0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5 s Unicast / Multicast 0 SUPER FINE/ 1 FINE/ 2/ 3/ 4/ 5 NORMAL/ 6/ 7/ 8/9 LOW (10 steps: 0-1)
		0.1 fps to 30 fps
	Transmission Type	Pull / Push
_		G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps, AAC*5 Off / Mic (Line) input / Audio output / Interactive (Half duplex) /
	ation for Audio	Interactive (Full duplex) Level 1 only / Level 2 higher / All users
Mo:	Rate	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited
Mod ntica Bit F		IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, ICMP, ARP
_	Moe	Refresh Interval Transmission Type Image Quality Refresh Interval

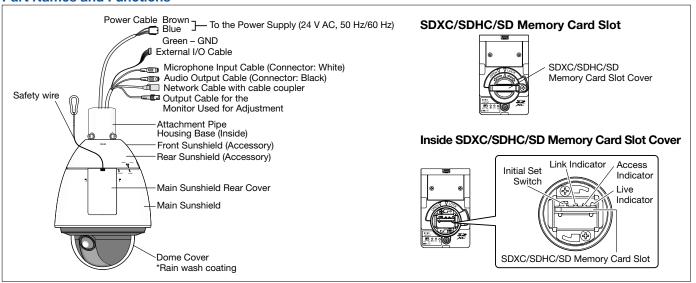
Network	FTP Client	Alarm image transmission, FTP periodic transmission
		(When the FTP transmission is failed, backup on an
		optional SDXC/SDHC/SD memory card is available.)
	Maximum concurrent access number	Up to 14 users (Depends on network conditions)
	SDXC/SDHC/SD	H.264 recording (Audio recording is enable):
	Memory Card (Option)	Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure
		JPEG recording:
		Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SD (SDHC/SDXC) card:
		Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB** model
		"SDHC card, "* SDXC card (except miniSD card and microSD card JPEG image, panning / titting / zoom / focus control, AUX control (by access level) iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android TM mobile terminals
	Callulas Bhana Cassashibilita	
	Cellular Phone Compatibility	
	Mobile Terminal Compatibility	
Alarm	Alarm Source	3 terminals input, VMD, Command alarm, Audio detection
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification,
		Indication on browser, FTP image transfer, Panasonic protocol output
	Alarm Log	With SDXC / SDHC / SD memory card: 5,000 logs,
		without SDXC / SDHC / SD memory card: 1,000 logs
	Schedule	Alarm / VMD / Access permission / H.264 recording / Audio detection
Input/	Monitor Output	VBS : 1.0V[p-p] / 75Ω,
Output	(for adjustment)	NTSC / PAL composite, BNC Jack
	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	<safety></safety>
		UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-
		<emc></emc>
		FCC Part15 Class A, ICES-003 Class A, EN55022 Class B, EN55024
	Power Source and	AC24 V : 3.5 A, 55 W
	Power Consumption	PoE+ DC54 V: 470 mA, 25 W (IEEE802.3at compliant)
		Tested POE Injector (60 W) DC54 V: 1.0 A, 50 W
	Ambient Operating	AC24 V and Tested PoE Injector (60 W) :
	Temperature	–50 °C to +55 °C (-58 °F to 131 °F)
		POE+ : -30°C to +55°C (-22 °F to 131 °F)
	Ambient Operating Humidity	10 % to 90 % (no condensation)
	Shock resistance	Compliant with IK10 (IEC62262)
	Water and Dust Resistance	Main body: IP66 (IEC60529) compliant, Type 4 (UL50), NEMA 4
	Dimensions	ø229 mm x 392 mm(H) {ø9-1/32 inches x 15-7/16 inches(H)}
		diameter of the dome 160 mm(6-5/16 inches)
	Mass (approx.)	Approx. 5.0 kg {11.02 lbs}
	Finish	Main body : Aluminum die cast. Natural silver
		Sunshields : ASA resin coating, Natural silver
		Dome section : Clear polycarbonate resin (Rain wash coating)
	1	Dome section . Clear polycarbonate resin (nam wash coating)

^{*1} Converted value

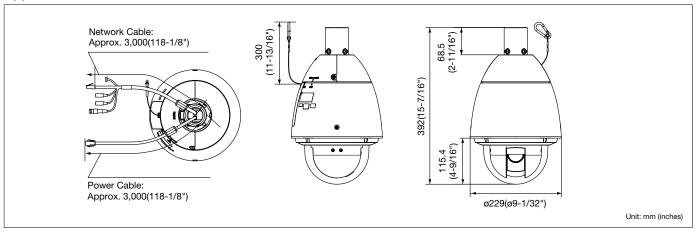
- "2 If "0 °", "-3 °", "-5 °", "-10 °", or "-15 °" is selected, the area hidden by the camera housing may increase when the tilt angle of the camera is almost level. When "-15 °" is selected for "Tilt Angle", the upper half of images will be hidden.
- "3 For further information about PC system requirements and precautions for when using Microsoft® Windows® 10, Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®, or Windows Internet Explorer, click "Manual" "Open" from the supplied CD-ROM and refer to "Notes on Windows Internet Explorer® versions".

 *4 Transmission for 2 streams can be individually set.
- *5 When recording audio on an SD memory card, only AAC-LC (Advanced Audio Coding Low Complexity) is used.

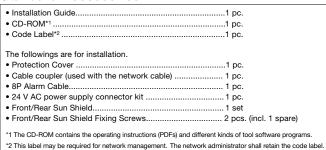
Part Names and Functions



Appearance



Standard Accessories



Optional Accessories

Ceiling Mount Bracket Wall Mount Bracket WV-Q121B WV-Q122A

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- products used on the network

- · Masses and dimensions are approximate.
- Specifications are subject to change without notice.

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