Panasonic

Super Dynamic HD Vandal Resistant Wall Mount Network Camera WV-SW115



HD / 1,280 x 960 H.264 Vandal Resistant Network Camera featuring *Super Dynamic*

Key Features

- 720p HD images up to 30 fps
- 1.3 Megapixel high sensitivity 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
- 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 (Electrical) function:
 0.8 lx (Color), 0.6 lx (B/W) at F2.2
- VIQS (Variable Image Quality on Specified area) technology allows the designated area 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.
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various conditions.
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Indoor scene (50 Hz) / Indoor scene (60 Hz) / ELC (maximum exposure time)
 Indoor scene (50 Hz/60Hz): Flicker caused by fluorescent lightning will be automatically compensated.
 ELC (maximum exposure time): The lightning control will be
 - automatically performed by adjusting shutter speed in the range of ELC.
- 2x extra zoom at VGA resolution
- 2x, 4x digital zoom controlled by browser
- VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including VMD and Panasonic alarm command can trigger actions such as FTP image transfer, E-mail notification, Indication on browser, and Panasonic alarm protocol output.

- 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 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 / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- Onvif compliant model
- Low profile design for discrete installation
- "Railway applications Electronics equipment used on rolling stock" compatible with EN50155
- Wide coverage (Horizontal: 104 °, Vertical: 85 °)
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- · Vandal resistant mechanism for high reliability

Standard Accessories

Installation Guide	Code Label*21 pc. Lens adjuster1 pc.				
*1 The CD-ROM contains the operating instructions and different kinds of tool software programs. *2 This label may be required for network management. The network administrator shall retain the code label.					
The followings are for installation. • Tamperproof Screw Bit1 pc.	Waterproof Tape1 pc.				

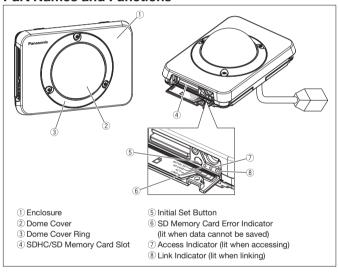
Specifications

Camera	Image Sen	sor	1/3 type MOS Sensor
	Effective Pixels		Approx. 1.3 megapixel
	Scanning Mode		Progressive
	Scanning Area		4.8 mm (H) x 3.6 mm (V) (3/16" (H) × 5/32" (V))
	Minimum I		Color: 0.8 lx (F2.2, Auto slow shutter: Off (1/30s), Gain: On (High))
			0.05 lx (F2.2, Auto slow shutter: Max. 16/30s, Gain: On (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) / ELC
	Shutter	With Super	ELC (1/30 s)
	Speed	Dynamic ON	1220 (1700 0)
	Speed	With Super	ELC (1/30 s), ELC (3/100 s), ELC (3/120 s), ELC (2/100 s), ELC (2/120 s)
	Cumar Dun	Dynamic OFF	ELC (1/100 s), ELC (1/120 s), ELC (1/250 s), ELC (1/500 s), ELC (1/1,000 s), ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/10,000 s)
	Super Dynamic Face Super Dynamic		ON / OFF (Only at Super Dynamic: ON)
	Adaptive Black Stretch AGC		ON / OFF ON (HIGH) / ON (MID) / ON (LOW) / OFF
	Electronic Sensitivity UP		OFF (1/30 s), Max. 2/30 s, Max. 4/30 s, Max. 6/30 s, Max. 10/30 s, Max. 16/30 s
	Day & Night(electrical) Dynamic Range Digital Noise Reduction Video Motion Detection Privacy Zone VIQS Camera Title (OSD) Focus Adjustment		OFF / AUTO 52 dB typ. (Super Dynamic: ON, Light Control: ELC) HIGH / LOW ON / OFF, 4 areas available
			ON / OFF (up to 2 zones available) ON / OFF
			Up to 20 characters (alphanumeric characters, marks), On/Off MANUAL
Lens	Focal Leng		1.95 mm
	Zoom Rati		1x / Extra zoom: 2x (at VGA resolution)
	Angular Field of View		Horizontal: 104 °, Vertical: 85 °
	Maximum Aperture Ratio		1:2.2
	Focusing Range		0.5 m ~ ∞
Adjusting			Wall Installation Horizontal: ±30 ° Vertical: ±30 °
Browser	Camera Co	ontrol	Brightness
GUI	Display Mo		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.
	Digital Zoom		1x, 2x, 4x controlled by browser GUI
	Camera Title		Up to 20 alphanumeric characters
	Clock Disp		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual
	_	-	A still picture will be displayed on a newly opened window.
	One Shot Capture SD Memory		Still or motion Images recorded in the SDHC/SD memory card
		-	can be downloaded.
	Data Download		
	GUI/Setup Menu Language		Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the
	System Log		recording format is set to JPEG.) error logs
	Supported OS *2 *3		Microsoft® Windows® 8, Microsoft® Windows® 7,
	Supported OS 2 3		Microsoft® Windows Vista®
	Supported Browser		Windows® Internet Explorer® 11.0 (32 bit),
			Windows® Internet Explorer® 10.0 (32 bit),
			Windows® Internet Explorer® 9.0 (32 bit),
			Windows® Internet Explorer® 8.0 (32 bit),
			Windows® Internet Explorer® 7.0 (32 bit),
Network	Network IF		10Base-T / 100Base-TX, RJ-45 connector (female)
	Image		H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps
	Resolution	1	JPEG: 1,280 x 960 / 640 x 480 / 320 x 240, up to 30 fps
	. 10001011011		H.264: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps
		[16:9]	JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps
	H.264*4	-	Constant bitrate / Framerate priority / Best effort /Advanced VBF
		Frame Rate	1/3/5/7.5/10/15/20/30 fps 1/3/5/7.5/10/12/15/20/30 fp
		Bit Rate/	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072
		Client	4,096 / 8,192* kbps * H.264 mode only
		Image Quality	LOW / NORMAL / FINE
		_ ,	UNICAST / MULTICAST
		Туре	
	JPEG	Image Quality	10 steps
	31 24		0.1 fps ~ 30 fps
			PULL / PUSH
	Total Rit D		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited
	Total Bit Rate		IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS,
	Supported Protocol		NTP, SNMP, DHCPv6, MLD, ICMP, ARP
			IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
			FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP
	FTP Client		
			Alarm image transmission, FTP periodic transmission
			(When the FTP transmission is failed, backup on an optional
	N (0) II		SDHC/SD memory card is available.)
	No. of Simultaneous Users		
	SDHC/SD Memory Card		Manufactured by Panasonic
	(Option)		SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB
			SD memory card: 256 MB, 512 MB, 1 GB, 2 GB
			except miniSD card and microSD card
	Cellular Phone Compatibility		JPEG image
			-
	Mobile Termin	nal Compatibility	iPad, iPhone, iPod touch (iOS 4.2.1 or later),

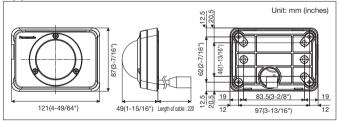
Alarm Source		VMD, Command alarm
	Alarm Actions	SDHC/SD memory recording, E-mail notification, Indication on
		browser, FTP image transfer, Panasonic protocol output
	Alarm Log	With SDHC/SD memory card: 5,000 logs,
		without SDHC/SD memory card: 1,000 logs
	Schedule	VMD
General	Safety/EMC Standard	<safety></safety>
		UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1),
		CE, IEC60950-1
		<emc></emc>
		FCC Part15 Class A, ICES-003 Class A, EN55022 Class B, EN55024
	Power Source and	PoE (IEEE802.3af compliant) /
	Power Consumption	PoE 48 V: 56 mA (Class 1 device)
	Ambient Operating Temperature	−30 °C ~ +50 °C (−22 °F ~ 122 °F)
	Ambient Operating Humidity	20 % ~ 90 % (no condensation)
	Impact Protection	Compliant with 20 J IEC60068-2-75
	Water and Dust Resistance	Camera: IP66 (IEC60529) *5
	Railway Application	EN50155, EN50121
	Dimensions	121 (W) mm x 87 (H) mm x 49 (L) mm
		{4-49/64 inches (W) x 3-7/16 inches (H) x 1-15/16 inches (L)}
	Mass (approx.)	400 g {0.88 lbs}
	Finish	Main body: Aluminum die cast, light gray,
		Dome section: Clear polycarbonate resin

- *1 Converted value
- *2 Refer to "Notes on Windows Vista® / Windows® 7 / Windows® 8" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft[®] Windows[®] 8 or Microsoft[®] Windows[®] 7 or Microsoft[®] Windows Vista[®].
- *3 When using IPv6 for communication, use Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.
- *4 Transmission for 2 streams can be individually set.
- *5 Only when installation work specified in this book is properly performed and appropriate waterproof treatment is performed.

Part Names and Functions



Appearance



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 "MEGA Super Dynamic" and "i-PRO SmartHD" logos are trademarks or registered trademarks of Panasonic Corporation. Important
- Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.
- Masses and dimensions are approximate.
 Specifications are subject to change without notice.

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