Panasonic

Outdoor Pan-tilt Wireless Network Camera WV-SW174W



HD / 1,280 x 960 H.264 Pan-tilt Wireless Network Camera

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
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- High sensitivity with Day & Night (Electrical) function: 0.6 lx (Color), 0.5 lx (B/W) at F2.2
- 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(60Hz) / 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
- 8x 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.

- 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
- Pan-tilt and Preset Map Shot function realizes wide range monitoring.(Horizontal angle:180° Vertical angle 123°)
- Easy installation: Easy to adjust directions.
- Interactive communication with audio: By using the audio output connector and the microphone in connector, receiving audio from the cameras on a PC and transmitting audio from the PC to the cameras is available.
- IP55 rated water and dust resistant. Compatible with IEC60529
- Best effort on Transmission priority: In accordance with the network bandwidth, H.264 images will be transmitted with the bit rate varying between the maximum and minimum bit rates that are set for "Max bit rate (per client)".
- Smartphone monitoring : Direct camera control from smartphone
- Wireless LAN function (IEEE802.11 n/g/b) : Camera images can be monitored over a wireless router.
- WPS (Wi-Fi Protected Setup) function : WPS enables the camera to automatically obtain the connection configuration information and the security configuration information of the wireless router.
 WPS can be configured by pressing the WIRELESS button (WPS indicator) (PBC method) or entering an 8 digit pin code (Pin code method).

Standard Accessories

Connector Cover

*1 The CD-ROM contains the operating instructions and different kinds of tool software programs.

Specifications

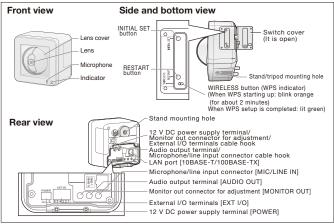
TV System	Image Corr		NTSC	PAL	
Camera	Image Senso Effective Pix		1/4 type MOS Sensor Approx. 1.3 megapixels		
	Scanning Mo		Progressive		
	Scanning Ar		3.52 mm (H) x 2.64 mm (V) (7/50'	(H) × 1/10" (V))	
	Minimum Illumination		Color: 0.6 k (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High)) Color: 0.038 k (F2.2, Auto slow shutter: Max. 16/30s, Gain:On(High)) ¹ BW: 0.51 k (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High)) ¹ BW: 0.031 k (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High)) ¹		
	White Baland	ce	AWC (2,000 ~ 10,000 K), ATW1 (2,700		
	Light Control Shutter Spee	Mode	Indoor scene (50 Hz / 60 Hz) / ELC ELC (1/30 s), ELC (3/100 s), ELC (3/120 s), ELC (2/100 s), ELC (2/120 s), ELC (1/100 s), ELC (1/120 s), ELC (1/250 s), ELC (1/500 s), ELC (1/1,000 s)		
	Vide Dynamic Range Face Vide Dynamic Range Adaptive Black Stretch AGC Electronic Sensitivity UP Dav & Night(electrical) Dynamic Range Digital Noise Reduction Video Motion Detection Privary: Zano		ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/10,000 s) ON / OFF ON / OFF ON (HIGH) / ON (MID) / ON (LOW) / OFF ON (HIGH) / ON (MID) / ON (LOW) / OFF OFF (1/30 s), Max. 2/30 s, Max. 4/30 s, Max. 6/30 s, Max. 10/30 s, Max. 16/30 s OFF / AUTO 24 dB typ. (WDR: ON, Light Control: ELC) HIGH / LOW ON / OFF, 4 areas available		
	Privacy Zone Camera Title	(OSD)	ON / OFF (up to 2 zones available) Up to 20 characters (alphanumeric characters, marks) , On/Off		
Lens	Focal Length	1	1.95 mm		
	Zoom Ratio Angular Field of View Maximum Aperture Batio		Extra zoom: 2x (at VGA resolution) Horizontal: 85 °, Vertical: 68 °		
	Maximum Aperture Ratio		1:2.2 0.5 m ~ ∞		
Pan and Tilt	Panning Range		-47.5°- +47.5°		
	Panning Speed		Manual: Approx. 5 °/s - 80 °/s, Pi	reset: Up to approx. 80 °/s	
	Tilting Range		-45° to +10°		
	Tilting Speed		Manual: Approx. 5 °/s - 80 °/s, Pi	reset: Up to approx. 80 °/s	
	Number of Preset Positions PTZ Position Display		64 ON / OFF		
	Self Return		10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5	min/ 10 min/ 20 min/ 30 min/ 60 min	
	Map Shot		Preset map-shot		
Browser GUI	Camera Control		Brightness, AUX ON / OFF		
	Display Mod	e	Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
	7		screens or 16 split screen (JPEG only). 20 characters camera title available.		
	Zoom Camera Title		extra zoom(1x - 2x) and the electronic zoom (higher zoom factors, up to 16x). Up to 20 alphanumeric characters		
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)		
	Alarm Control	-	Reset		
	One Shot Capture Audio		A still picture will be displayed on a newly opened window. Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,		
	GUI/Setup Menu Language		Audio Output: ON / OFF Volume adjustment: Low / Middle / High		
	System Log Supported OS '2 '3		English, Japanese, Italian, French, German, Spanish, Chinese, Russian Up to 100 (Internal) error logs Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®,		
	Supported Browser		Microsoft® Windows® XP SP3 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), Microsoft® Internet Explorer® 6.0 SP3		
Wireless	Antenna 802.11n Transmission system		1 x 1 (Diversity) SISO (Single Input/Single Output)-OFDM system, OFDM system, DSSS system		
	Communication standard		International standard IEEE802.11 n / IE		
	Frequency range/ Channel (center frequency)		WV-SW174W: IEEE802.11 n/g/b 2.412 GHz - 2.462 GHz (1 - 11ch)	WV-SW174WE: IEEE802.11 n/g/b 2.412 GHz - 2.472 GHz (1 – 13ch)	
	Data transfer rate ^{'4}		IEEE802.11 n: 6.5 - 72.2 Mbps IEEE802.11 g: 6 - 54 Mbps		
	Access method		IEEE802.11 b: 1 – 11 Mbps Infrastructure mode		
	Access method Authentication method		Open System		
	Security'5		WPA/WPA2-PSK (TKIP/AES)		
	WPS		WEP (64 bit/128 bit) PBC method (push button method). PIN method (PIN code method)		
Wireless	WPS LED		PBC method (push button method), PIN method (PIN code method) Wireless (wireless status display)		
hardware	Interface		WIRELESS button (for setting up		
	Network IF		10Base-T / 100Base-TX, RJ-45 connector (female) H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps		
	Image Resolution *6	Aspect ratio: [4 : 3]	JPEG: 1,280 x 960 / VGA (640 x 48	0) / QVGA (320 x 240), up to 30 fps	
		Aspect ratio: [16 : 9]	JPEG: 1,280 x 720 / 640 x 360 / 320	x 180, up to 30 fps	
	H.264	Transmission Mode	Constant bitrate / Framerate prio	rity / Best effort / Advanced VBI	
		Frame Rate Bit Rate/Client	1/3/5/7.5/10/12/15/20/ 64/128/256/384/512/768/ 4,096/8,192 kbps		
		Image Quality Refresh Interval	LOW / NORMAL / FINE 1 fps ~ 30 fps		
	1050	Transmission Type	UNICAST / MULTICAST		
	JPEG Image Quality Refresh Interval		10 steps 0.1 fps ~ 30 fps		
	Transmission Type		PULL / PUSH		
	Audio Comp	ression	G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps		
	Audio Mode Authenticatio		OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users		
	Total Bit Rate Supported P		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPAC TOP/P, UDP/P, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPAG, MLD, ICMP, ARF IPV4: TCP/IP, UDP/P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS DDIS / MTP, CMMP, UPV9 / CMM / CMM / ADD		
	FTP Client No. of Simulta		DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions)		
	INC. OF OITTUILE	10000 USEIS		trol, AUX control (by access level)	

TV System			NTSC	PAL	
Alarm	Alarm Source Alarm Actions		VMD, Command alarm		
			E-mail notification, Indication on browser,		
			FTP image transfer, Panasonic protocol output		
	Alarm Log Schedule		1,000 logs		
			VMD		
Input/ Output	Monitor Output (for adjustment)		VBS: 1.0 V [p-p]/75 Ω,	VBS: 1.0 V [p-p]/75 Ω,	
			NTSC composite, ø3.5 mm mini jack	PAL composite, ø3.5 mm mini jack	
	Microphone/Line Input		ø3.5 mm monaural mini jack, Input impedance: Approx. 2.2 kΩ		
		For microphone input	Applicable microphone: Plug-in power	type, Supply voltage: 3.3 V ±0.5 V	
		For line input	Input level: Approx. –10 dBV		
	Audio O	utput	ø3.5 mm stereo mini jack (monaural output),Output impedance: Approx. 560 Ω, Line level		
	External	I/O Terminals	ALARM IN 1, ALARM IN 2/ ALARM OUT, ALARM IN 3/ AUX OUT, GND, 12 V DC		
General	Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature		DOC (ICES003 ClassA)	CE, IEC60950-1 (EN55022 ClassB, EN55024)	
			Wireless : FCC Part15C	Wireless : EN300 328	
			12V DC , 510 mA		
			-20 °C ~ +50 °C (-4 °F ~ 122 °F)		
		Operating Humidity	Less than 90 % (no condensation)		
	Water and Dust Resistance Dimensions		Camera: IP55 (IEC60529) 18		
			100 mm (W) x 100 mm (H) x 84 mm(D) (3-47/50" x 3-47/50" (H) x 3-5/16")(excluding projection)		
	Mass (app	orox.)	Main body 370 g (0.82 lbs)		
	Finish		Main body: PC/ABS resin, silver		
			Dome section: Clear polycarbonate resin		

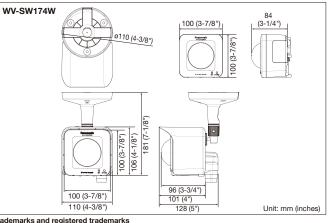
*1 Converted value *2 Refer to *Notes on Windows Vista® / Windows® 7 / Windows® 8* on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.

Windows Vista®. 3 When using IPv6 for communication, use Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®. 4 The actual line speed may be different depending on the network environment and the wireless devices connected. 5 Depending on the wireless access point (wireless router) used, connections may not be possible between the camera and the wireless. When connecting with 802.11n, select WPA-PSK(AES) or WPA2-PSK(AES) for security. 6 Transmission for 2 streams can be individually set in the same compression method. 7 For further information about compatible devices, refer to our website (http://security.panasonic.com/pss/security/support/info.html). *8 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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Important

- Safety Precaution: Carefully read the operating instructions and installation manual before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers'
products used on the network.
- Manaco and dimensions are approximate.

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Specifications are subject to change without notice.
These products may be subject to export control regulations.



http://security.panasonic.com

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