

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
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- \bullet Meta data for VMD works with the WJ-ND400 playback VMD function.
- 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
- Panning/tilting 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

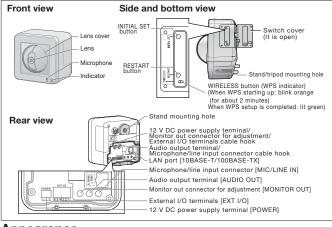
Installation Guide 1 pc.	• Foam Strip1 pc
• CD-ROM*11 pc.	Power cable plug1 pc
Flexible Stand1 pc.	AC Adaptor (NTSC model only)
Connector Cover1 pc.	AC Cord (NTSC model only)
Sunshade1 pc.	Extension Cord (NTSC model only)1 pc

Specifications

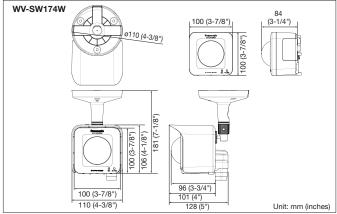
TV System			NTSC	PAL
Camera	Image Senso	or	1/4 type MOS Sensor	
	Effective Pix		Approx. 1.3 megapixels	
			Progressive	
	Scanning Mode Scanning Area		3.52 mm (H) x 2.64 mm (V) (7/50" (H) × 1/10" (V))	
	Minimum Illumination		Color: 0.6 Ix (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High))	
	William III III III III III III III III III I		Color: 0.038 lx (F2.2, Auto slow shutter: Max. 16/30s, Gain:On(High))	
			BW: 0.5 lx (F2.2, Auto slow shutter: Off (1/30s), Gain:On(High))	
			BW: 0.031 lx (F2.2, Auto slow shutter: Off (16/30s), Gain:On(High)) 11	
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)	
			Indoor scene (50 Hz / 60 Hz) / ELC	
	Light Control Mode			
Shutter Speed		u	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),	
	Wide Dynam	io Pongo	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 OFF / (AUTO OFF / AUTO	
		namic Range		
	Adaptive Bla	ck Stretch		
	AGC	maitinite (LID		
	Electronic Se			
	Day & Night(electrical) Dynamic Range Digital Noise Reduction		24 dB typ. (WDR: ON, Light Control: ELC) HIGH / LOW ON / OFF, 4 areas available	
Video Motio				
	Privacy Zone		ON / OFF (up to 2 zones available)	
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks) , On/Off	
Lens	Focal Length		1.95 mm	
	Zoom Ratio		Extra zoom: 2x (at VGA resolution)	
	Angular Field of View		Horizontal: 85 °, Vertical: 68 °	
	Maximum Aperture Ratio		1:2.2	
	Focusing Ra		0.5 m ~ ∞	
Pan and Tilt	Panning Rang		-47.5°- +47.5°	
	Panning Spe	eed	Manual: Approx. 5 °/s - 80 °/s, Preset: Up to approx. 80 °/s	
	Tilting Range	a	-45° to +10°	
	Tilting Speed		Manual: Approx. 5 °/s - 80 °/s, Preset: Up to approx. 80 °/s	
		eset Positions	64	
	PTZ Position	n Display	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 Con	itrol	Brightness, AUX ON / OFF	
	Display Mod	ie	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.	
	Zoom		extra zoom(1x - 2x) and the electronic zoom (higher zoom factors, up to 16x).	
	Camera Title		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		A still picture will be displayed on a newly opened window.	
	Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,	
	Audio		Audio Output: ON / OFF Volume adjustment: Low / Middle / High	
	GUI/Setup Menu Language		English, Japanese, Italian, French, German, Spanish, Chinese, Russian	
	System Log		Up to 100 (Internal) error logs	
	Supported OS *2 *3		Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP3	
	Supported Browser			
	Supported browser		Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 6.0 SP3	
Wireless	Antonno 900 11n		1 x 1 (Diversity)	WILCOSOIL IIILETTIEL EXPLOITER 0.0 3F3
Wileless	Antenna 802.11n			Mayatam OFDM ayatam DCCC ayatam
	Transmission system		SISO (Single Input/Single Output)-OFDM system, OFDM system, DSSS system	
1	Communication standard		International standard IEEE802.11 n / IEEE802.11 g / IEEE802.11 b compliant WV-SW174W: IEEE802.11 n/g/b	
	Eroguopou rona	70/	VV V-3VV 174VV. IEEE0UZ. I I 11/9/D	2.412 GHz - 2.472 GHz (1 – 13ch)
	Frequency rang		0.410 CH= 0.400 CH= (111+b)	2.412 GHZ - 2.412 GHZ (1 - 1301)
	Frequency rang Channel (cente		2.412 GHz - 2.462 GHz (1 - 11ch)	
	Channel (cente	r frequency)		
		r frequency)	IEEE802.11 n: 6.5 – 72.2 Mbps	
	Channel (cente	r frequency)	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps	
	Channel (center	er frequency)	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps	
	Channel (center Data transfer ra Access meth	er frequency) ate ⁻⁴	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode	
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	Channel (center Data transfer ra Access meth	er frequency) ate ⁻⁴	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2-PSK (TKIP/AES)	
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hardware	Channel (center of the content of th	ate ⁻⁴ nod on method Aspect ratio: [4:3]	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2-PSK (TKIP/AES) WPP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 c 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 960 / VGA (640 x 48	WPS with the PBC method) connector (female) 0) / QVGA (320 x 240), up to 30 fps 0) / QVGA (320 x 240), up to 30 fps
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hardware	Channel (center of the content of th	ate"4 nod on method Aspect ratio: [4:3] Aspect ratio: [6:9]	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2-PSK (TKIP/AES) WEP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 c H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 720 / 640 x 360 / 32	WPS with the PBC method) connector (female) 0) / QVGA (320 x 240), up to 30 fps 0) / QVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps
hardware	Channel (center Data transfer ra Access meth Authenticatic Security's WPS LED Interface Network IF Image Resolution '6	ate'4 nod on method Aspect ratio: [4:3] Aspect ratio: [6:9]	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPA/WPA2-PSK (TKIP/AES) WEP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up WIRELESS button (for setting up URBase-T / 100Base-Tx, RJ-45 c H.264: 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720 / 640 x 360 / 32	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / QVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps
hardware	Channel (center Data transfer ra Access meth Authenticatic Security's WPS LED Interface Network IF Image Resolution '6	ate'4 and an method Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2.PSK (TKIP/AES) WPP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 c H.264: 1,280 x 900 / VGA (640 x 48 H.264: 1,280 x 900 / VGA (640 x 48 H.264: 1,280 x 720 / 640 x 360 / 322 Constant bitrate / Best effort	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps
hardware	Channel (center Data transfer ra Access meth Authenticatic Security's WPS LED Interface Network IF Image Resolution '6	ate'4 and an method Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2-PSK (TKIP/AES) WEP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up WIRELESS button (for setting up DBase-T / 100Base-TX, RJ-45 c H.264: 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720 / 640 x 360 / 32 Constant bitrate / Best effort	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps
hardware	Channel (center Data transfer ra Access meth Authenticatic Security's WPS LED Interface Network IF Image Resolution '6	aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate Bit Rate/Client	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps Open System WPAWPA2-PSK (TKIP/AES) WPP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 c 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 720 / 640 x 380 / 32 Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 64 / 128 / 256 / 384 / 512 / 768 /	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps
hardware	Channel (center Data transfer ra Access meth Authenticatic Security's WPS LED Interface Network IF Image Resolution '6	Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2-PSK (TKIP/AES) WEP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up URBLESS button (for setting up URBLESS volton (For setting	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps
hardware	Channel (center Data transfer ra Access meth Authenticatic Security's WPS LED Interface Network IF Image Resolution '6	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [4:6] Transmisson Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps MPGA-PSK (TKIP/AES) WPGA-PSK (TKIP/AES) WPGB-PSK (TKIP/AES) WPGB-PSK (TKIP/AES) WPGB-PSK (TKIP/AES) WPGB-PSK (TKIP/AES) WFG (AGA) WFG (WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps
hardware	Channel (cente Data transfer re Access mett Authenticatic Security's WPS LED Interface Network IF Image Resolution '6' H.264	ate'4 Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2-PSK (TKIP/AES) WEP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 c H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720 / 640 x 360 / 32 LOST (1,280 x 720 / 640 x 360 / 32 JPEG: 1,280 x 720	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps
hardware	Channel (center Data transfer ra Access meth Authenticatic Security's WPS LED Interface Network IF Image Resolution '6	ate'4 and aspect ratio: [4:3] Aspect ratio: [6:9] Aspect ratio: [6:9] Aspect ratio: [16:9] Aspect ratio: [16:9] Iransmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Irransmission Type Image Quality	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps 30 fps
hardware	Channel (cente Data transfer re Access mett Authenticatic Security's WPS LED Interface Network IF Image Resolution '6' H.264	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEE802.11 b: 1 – 11 Mbps WPAWPA2.PSK (TKIP/AES) WPP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 L 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 960 / VGA (640 x 48 JPEG: 1,280 x 720 / 640 x 360 / 32 Constant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 4 / 128 / 256 / 384 / 512 / 768 / 4 ,096 / 8,192 kbps LOW / NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps 30 fps
hardware	Channel (cente Data transfer re Access mett Authenticatic Security's WPS LED LIFE Interface Network IF Image Resolution '6 H.264 JPEG	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Transmission Type	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 /
hardware	Channel (center of the content of th	Aspect ratio: [4:3] Aspect ratio: [6:9] Aspect ratio: [16:9] Aspect rati	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 30 fps 1,024 / 1,536 / 2,048 / 3,072 /
hardware	Channel (cente Data transfer ra Access mett Authenticatic Security® WPS LED Interface Network IF Image Resolution® H.264 JPEG Audio Comp Audio Mode	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [4:6:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Supplied Transmission Type Transmis	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEEE802.11 b: 1 – 11 Mbps Infrastructure mode Open System WPAWPA2.PSK (TKIP/AES) WPP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 c H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 720 / 640 x 360 / 322 Onstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 4 / 128 / 256 / 384 / 512 / 768 / 4 / 128 / 256 / 384 / 512 / 768 / 4 / 128 / 256 / 384 / 512 / 768 / 4 / 108 / 256 / 384 / 512 / 768 / 1 / 50 / 50 / 50 / 50 / 50 / 50 / 50 / 5	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 /
hardware	Channel (cente Data transfer re Access metr Authenticatic Security's WPS LED Interface Network IF Image Residuon '6 H.264 JPEG Audio Comp Audio Mode Authenticatic	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Type	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEEE802.11 b: 1 – 11 Mbps IIEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 11 Mbps IIIEE802.11 b: 1 – 1	WPS with the PBC method) connector (female) 0) / QVGA (320 x 240), up to 30 fps 0) / QVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / Dos, G.711 64 kbps active (Half duplex) / Interactive (Full duplex sers)
hardware	Channel (cente Data transfer ra Access mett Authenticatic Security's WPS LED Interface Network IF Image Resolution *6 H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type oression	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 g: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEE802.11 Bit IIEE802.11 B	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / cs, G.711 64 kbps active (Half duplex) / Interactive (Full duplex sers 1,048 / 4,096 / 8,192 kbps / Unlimited
hardware	Channel (cente Data transfer re Access metr Authenticatic Security's WPS LED Interface Network IF Image Residuon '6 H.264 JPEG Audio Comp Audio Mode Authenticatic	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type oression	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEE802.11 b: 1 – 11 Mbps IEEE802.11 b: 1 – 11 Mbps WPAWPA2.PSK (TKIP/AES) WPP (64 bit/128 bit) PBC method (push button method Wireless (wireless status display) WIRELESS button (for setting up 10Base-T / 100Base-TX, RJ-45 c H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 960 / VGA (640 x 48 H.264: 1,280 x 720 / 640 x 360 / 322 Onstant bitrate / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 4 / 128 / 256 / 384 / 512 / 768 / 4 / 128 / 256 / 384 / 512 / 768 UNICAST / MULTICAST 10 steps UNICAST / MULTICAST 10 steps UNICAST / MULTICAST 10 steps UNICAST / MULTICAST 10 for 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbg OFF / Mic (Line) input / Audio output / Inter- Level 1 only / Level 2 higher / All u 64 / 128 / 256 / 384 / 512 / 768 / 1,024 PAE ICPIP. UDPIP, HTP, HTTP, RTP, FTP, SM	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / Dos, G.711 64 kbps active (Half duplex) / Interactive (Full duplex sers) 2,048 / 4,096 / 8,192 kbps / Unlimited ITP, DNS, NTP, SNMP, DHCN-6, MD, ICMP, APP
hardware	Channel (cente Data transfer ra Access mett Authenticatic Security's WPS LED Interface Network IF Image Resolution *6 H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type oression	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 1	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / Dos, G.711 64 kbps active (Half duplex) / Interactive (Full duplex sers) 2,048 / 4,096 / 8,192 kbps / Unlimited ITP, DNS, NTP, SNMP, DHCN-6, MD, ICMP, APP
hardware	Channel (cente Data transfer ra Access mett Authenticatic Security's WPS LED Interface Network IF Image Resolution'6 H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rats Supported F	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type oression	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEEE802.11 B: 1 Mbps IEEE802.12 B: 1 Mbps IEEE802.11 B:	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / DDS, G.711 64 kbps active (Half duplex) / interactive (Full duplex sers) EVEX. (2,048 / 4,096 / 8,192 kbps / Unlimited (TP, DNS, NTP, SNMP, DHCP-6, MLD, ICMP, APP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, NTP, DHCP, DNS, RTP, RTP/RTCP,FTP, SMTP, DHCP-6, DNS, PDCP-6, MLD, ICMP, RTP, RTP/RTCP,FTP, SMTP, DHCP-6, MLD, ICMP, RTP, RTP/RTCP,FTP, SMTP, DHCP-6, MLD, ICMP, RTP, RTP, RTP, RTP, RTP/RTCP,FTP, SMTP, DHCP-6, MLD, ICMP, RTP, RTP, RTP/RTCP,FTP, SMTP, DHCP-6, MLD, ICMP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RT
hardware	Channel (cente Data transfer re Access metr Authenticatic Security's WPS LED LIFE Interface Network IF Image Resolution '6 H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Out of the Protocol	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEE802.11 b: 1 – 11 Mbps IEEE802.11 B: 1 Mbps IEEE802.1	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / constant of the series of the ser
hardware	Channel (cente Data transfer ra Access mett Authenticatic Security's WPS LED Interface Network IF Image Resolution'6 H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rats Supported F	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [6:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Image Out of the Protocol	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEEE802.11 B: 1 Mbps IEEE802.12 B: 1 Mbps IEEE802.11 B:	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / constant of the series of the ser
hardware	Channel (cente Data transfer ra Access mett Authenticatic Security® WPS LED Interface Network IF Image Resolution® H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F TPC clist Fine Ciffic Simults Face Detect	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Or on for Audio Protocol	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IEEE802.11 B: 1 Mbps IEE802.11 B: 1 Mbps IEEE802.11 B: 1 Mbps IEEE802.1	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / DDS, G.711 64 kbps active [Half duplex] / Interactive [Full duplex series] Bers, G.711 64 kbps Constitution of the properties
hardware	Channel (cente Data transfer re Access metr Authenticatic Security* WPS LED Interface Network IF Image Resolution* H.264 JPEG Audio Comp Audio Mode Authenticatic Total Bit Rate Supported F FTP Client No. of Simulta	Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [4:3] Aspect ratio: [16:9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval Transmission Type Or on for Audio Protocol	IEEE802.11 n: 6.5 – 72.2 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 p: 6 – 54 Mbps IEEE802.11 b: 1 – 11 Mbps IIEE802.11 b: 1 – 1	WPS with the PBC method) connector (female) 0) / OVGA (320 x 240), up to 30 fps 0) / OVGA (320 x 240), up to 30 fps 0 x 180, up to 30 fps 0 x 180, up to 30 fps 1,024 / 1,536 / 2,048 / 3,072 / DDS, G.711 64 kbps active [Half duplex] / Interactive [Full duplex series] Bers, G.711 64 kbps Constitution of the properties

TV System			NTSC	PAL
Alarm	Alarm Source		VMD, Command alarm	
	Alarm Actions		E-mail notification, Indication on browser,	
			FTP image transfer, Panasonic protocol output	
	Alarm Log		1,000 logs	
	Schedule		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: Approx10 dBV	
	Audio Output		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		DOC (ICES003 ClassA)	CE, IEC60950-1 (EN55022 ClassB, EN55024)
			Wireless : FCC Part15C	Wireless: EN300 328
	Power Source and Power Consumption		12V DC , 510 mA	
	Ambient Operating Temperature		-20 °C ~ +50 °C (-4 °F ~ 122 °F)	
	Ambient Operating Humidity		Less than 90 % (no condensation)	
	Water and Dust Resistance		Camera: IP55 (IEC60529) '8	
	Dimensions		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	

Part Names and Functions



Appearance



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