Panasonic

Pan-tilt Wireless Network Camera BL-VT164W Pan-tilt Network Camera BL-VT164



HD / 1,280 x 720 Pan-tilt Wireless Network Camera (BL-VT164W) HD / 1,280 x 720 Pan-tilt Network Camera (BL-VT164)

Key Features

- 720p HD images up to 30 fps
- 1.0 Megapixel high sensitivity CMOS 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 720 image size
- High sensitivity with Day & Night (Electrical) function: 0.9 lx (Color), 0.6 lx (B/W) at F2.8
- 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.
- 1.5x 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
- Low profile design for discrete installation
- Pan/tilt and Preset Map Shot function realizes wide range monitoring..(Horizontal angle:139° Vertical angle 76°)
- 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.
- Smartphone monitoring : Direct camera control from smartphone
- Wireless LAN function (IEEE802.11 n/b/g) : Camera images can be monitored over a wireless router.(BL-VT164W)
- 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).(BL-VT164W)
- Built-in Body Heat Sensor (Pyroelectric infrared sensor)
- PC software recording (BB-HNP17: Network Camera Recorder with Viewer Software)

Standard Accessories

AC Adaptor	Installation Guide1 pc. CD-ROM ⁻¹ 1 pc.
*1 The CD-ROM contains the operating instructi	ons and different kinds of tool software programs.

Specifications

DISTRIBUTED BY:

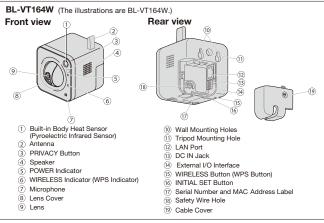
0	Image O		BL-VT164W	BL-VT164
Camera	Image Sensor		1/4 type CMOS Sensor	
	Effective Pixels		Approx. 1 megapixels	
	Scanning Mode Scanning Area		Progressive 3.89 mm (H) x 2.43 mm (V) {5/32	inches (H) + 2/22 inches (A)
	Minimum Illu		Color: 0.9 lx (F2.8, Auto slow shu	
		in a contraction of the contract	Color: 0.06 lx (F2.8, Auto slow shut	
			BW: 0.6 lx (F2.8, Auto slow shutter: 0	
			BW: 0.04 lx (F2.8, Auto slow shutter: Off (16/30s), Gain:On(High)) ⁻¹	
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)	
	Light Control		Indoor scene (50 Hz / 60 Hz) / ELC	
	Shutter Spee	d	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 (1/2	
	Adaptive Bla	al. Chuatala	ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/10,000 s)	
		CK Stretch	ON / OFF ON (HIGH) / ON (MID) / ON (LOW) / OFF	
	AGC 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 (OFF (1/30 s), Max. 2/30 s, Max. 4/30 s, Max. 6/30 s, Max. 10/30 s, Max. 16/30 s	
	Digital Noise		HIGH / LOW	
	Video Motion		ON / OFF (available at each preset)	
	Privacy Zone		ON / OFF (up to 2 zones available)	
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks) , On/Off	
Lens	Focal Length		3.6 mm	
	Zoom Ratio		Extra zoom: 1.5x (at VGA resolution)	
	Angular Field of View		Horizontal: 57 °, Vertical: 34 ° 1 : 2.8	
	Maximum Aperture Ratio Focusing Range		0.4 m ~ ∞	
Pan and Tilt	Panning Rang		-41°- +41°	
unu mit	Panning Range Panning Speed		-41°- +41° Manual: Approx. 0.5 °/s - 50 °/s, Preset: Up to approx. 50 °/s	
	Tilting Range		-32° to +10°	
	Tilting Speed		Manual: Approx. 0.5 °/s - 50 °/s, Preset: Up to approx. 50 °/s	
	Number of Pre		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
Wirelssa	Map Shot		Preset map-shot	
Wireless (BL-VT164W/	Antenna Transmissio	o mothed	1x1 (Diversity) SISO (Single Input/ Single Output) -OFDM, OFDM,DSSS	
BL-VT164WE/	Frequency ra		BL-VT164W: 2.412 GHz - 2.462 GHz (1 - 11ch)	—
BL-VT164WU BL-VT164WU	(center frequer		BL-VT164WE: 2.412 GHz - 2.402 GHz (1 - 1101) BL-VT164WE: 2.412 GHz - 2.472 GHz (1 - 13ch)	_
only)		.,,, =	BL-VT164WU: 2.412 GHz - 2.472 GHz (1 - 13ch)	
	Data transfe	r rate: "2	IEEE802.11n: 6.5 - 72.2 Mbps IEEE802.11q: 6 - 54 Mbps	
			IEEE802.11b: 1 - 11 Mbps	-
	Access method		Infrastructure mode	_
	Authentication method		Open System	
	Security: 13		WPA/WPA2-PSK (TKIP/AES) WEP (64 bit/128 bit)	-
	WPS		PBC method (push button method),	_
Duran Ci II	Camera Control		PIN method (PIN code method)	
Browser GUI	Display Mode		Brightness, AUX ON / OFF Spot, Quad: Image from 16 cameras	can be displayed in 4 different Quad
	Display Wode		screens or 16 split screen (JPEG only)	
	Zoom		extra zoom(1x-1.5x) and the electronic zoom (higher zoom factors, up to 12x).	
	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 Input: ON / OFF Volume adjustment: Low / Middle / High,	
			Audio Output: ON / OFF Volume adjustment: Low / Middle / High	
	GUI/Setup Me	enu Language	English, Japanese, Italian, French, German, Spanish, Chinese, Russian	
	System Log	NC *4*5	Up to 100 (Internal), error logs	
	Supported OS ^{*4 *5} Supported Browser		Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP3 Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit),	
	Supported browser		Windows [®] Internet Explorer [®] 8.0 (32 bit), Windows [®] Internet Explorer [®] 7.0 (32 bit),	
			Microsoft® Internet Explorer® 6.0 SP3	
Network	Network IF		10Base-T / 100Base-TX, RJ-45 c	connector (female)
	Image Resolution *6	Aspect ratio: [4:3]	H.264: SVGA(800 x 600) / VGA (640 x 4	
			JPEG: SVGA(800 x 600) / VGA (640 x	
		Aspect ratio: [16 : 9]	H.264: 1,280 x 720 / 640 x 360 / 320	
			JPEG: 1,280 x 720 / 640 x 360 / 320	
	H.264		Constant bitrate / Frame rate / Be	
			1/3/5/7.5/10/12/15/20/	
		DIL Male/Glient	64 / 128 / 256 / 384 / 512 / 768 / 4,096 / 8,192 kbps	1,024 / 1,030 / 2,048 / 3,072 /
		Image Quality	4,096 / 8,192 kbps LOW / NORMAL / FINE	
			1 fps ~ 30 fps	
			UNICAST / MULTICAST	
	JPEG	Image Quality	10 steps	
		Refresh Interval	0.1 fps ~ 30 fps	
		Transmission Type	PULL / PUSH	
	Audio Compression		G.726 (ADPCM) 32 kbps / 16 kbp	
	Audio Mode		OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)	
	Authentication for Audio		Level 1 only / Level 2 higher / All users	
	Total Bit Rate		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited	
	Supported Protocol		IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, 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	
	No. of Simultaneous Users		Up to 14 users (Depends on network conditions)	
	Cellular Phone Compatibility		JPEG image, panning/tilting/zoom/Privacy control, AUX control (by access level)	
	Mobile Terminal Compatibility ^{*7}		iPad, iPhone, iPod touch (iOS 4.2.1 o	
Alarm	Alarm Source Alarm Actions		3x Terminal inputs, VMD, Comma	
			E-mail notification, Indication on bi	
			Panasonic protocol output	
	Schedule		VMD, Body heat sensor	
	Sensor detec		pyroelectric infrared sensor	
	Sensitivity settings		Off/ High/ Normal/ Low/ Extra low	
				20°C and Normal consitivity)
	Sensor detec	tion range	About 5 m (with the temperature at	
Body heat sensor	Sensor detec	-	Horizontal: 28°, Vertical: 71°	20 C and Normal Sensitivity)
	Sensor detec	Line Input	Horizontal: 28°, Vertical: 71° Internal microphone	
sensor	Sensor detec	/Line Input It	Horizontal: 28°, Vertical: 71°	

		BL-VT164W	BL-VT164	
neral		BL-VT164W:	BL-VT164:	
		<safety> UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2</safety>	<safety> UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2</safety>	
		<emc> FCC Part15 ClassB</emc>	<emc>FCC Part15 ClassB, ICES-003 ClassB</emc>	
	Safety/	<wireless> FCC Part15C</wireless>		
	EMC Standard	BL-VT164WE / BL-VT164WU:	BL-VT164E / BL-VT164U:	
		<safety>IEC60950-1 Ed.2</safety>	<safety> IEC60950-1 Ed.2</safety>	
		<emc> EN55022 ClassB, EN55024</emc>	<emc> EN55022 ClassB, EN55024</emc>	
		<wireless> EN300 328</wireless>		
		9 V DC (Use only with Panasonic AC adapter)	9 V DC (Use only with Panasonic AC adapter)	
	Power Source and	BL-VT164W: max. 4.8 W (120 V AC/ 60 Hz)	BL-VT164: max. 3.7 W (120 V AC/ 60 Hz)	
	Power Consumption	BL-VT164WE: max. 4.8 W (230 V AC/ 50 Hz)	BL-VT164E: max. 3.7 W (230 V AC/ 50 Hz)	
		BL-VT164WU: max. 4.8 W (230 V AC/ 50 Hz)	BL-VT164U: max. 3.7 W (230 V AC/ 50 Hz)	
	Ambient Operating Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)		
	Ambient Operating Humidity	Less than 90 % (no condensation)		
	Dimensions	74 mm (W) x 74 mm (H) x 91 mm (D) {2-29/32 inches (W) x 2-29/32		
		inches (H) x 3-19/32 inches (D)} (excluding projection)		
	Mass (approx.)	Approx. 230 g {0.5071 lbs}	Approx. 220 g {0.485 lbs}	
	Finish	Main body: ABS resin, white		
		Dome section: Clear polycarbonate resin		

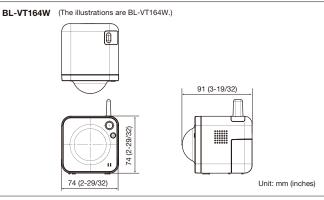
Gon

IDome section: Clear polycarbonate resin
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Part Names and Functions



Appearance



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Structure and 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.

Masses and dimensions are approximate.
Specifications are subject to change without notice.
These products may be subject to export control regulations.



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