Panasonic



Network Camera BL-VP101



VGA / 640 x 480 H.264 Network Camera

Key Features

- 0.32 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 VGA (640 x 480) 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 8x) / 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.
- 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.
- 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
- Smartphone monitoring : Direct camera control from smartphone
- PC software recording (BB-HNP17: Network Camera Recorder with Viewer Software)

Standard Accessories

Flexible Stand	
*1 The CD-ROM contains the operating instructions and dif	ferent kinds of tool software programs.

Specifications

Camera	Image Senso	r	1/5 type CMOS Sensor
	Effective Pixe		Approx. 0.32 megapixels
	Scanning Mo		Progressive Progressive
	Scanning Are		2.69 mm (H) x 2.02 mm (V) {1/8 inches (H) x 1/16 inches (V)}
	Minimum IIIu	mination	Color: 0.9 lx (F2.8, Auto slow shutter: Off (1/30s), Gain:On(High))
			Color: 0.11 lx (F2.8, Auto slow shutter: Max. 8/30s, Gain:On(High)) 11
			BW: 0.6 lx (F2.8, Auto slow shutter: Off (1/30s), Gain:On(High))
			BW: 0.08 lx (F2.8, Auto slow shutter: Off (8/30s), 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 Mode		Indoor scene (50 Hz / 60 Hz) / ELC
	Shutter Speed		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)
			ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/8,000 s)
	Adaptive Bla	ck Stretch	ON / OFF
	AGC		ON (HIGH) / ON (MID) / ON (LOW) / OFF
	Electronic Se	nsitivity LIP	OFF (1/30 s), Max. 2/30 s, Max. 3/30 s, Max. 4/30 s, Max. 8/30 s
	Day & Night (electrical)	OFF / AUTO
	Digital Noise		HIGH / LOW
	Video Motion	Detection	ON / OFF (4 areas available)
	Privacy Zone		ON / OFF (up to 2 zones available)
	Camera Title	(OSD)	Up to 20 characters (alphanumeric characters, marks), On/Off
Lens	Camera Title (OSD)		
Lens	Focal Length		2.7 mm
	Angular Field of View		Horizontal: 53 °, Vertical: 40.5 °
	Maximum Ap		1:2.8
	Focusing Range		0.5 m ~ ∞
Browser GIII	Camera Control		Brightness
2.0#361 GUI	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad
	Display Mode		
			screens or 16 split screen (JPEG only). 20 characters camera title available
	Zoom		electronic zoom (up to 4x).
	Camera Title		Up to 20 alphanumeric characters
	Clock Displa		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manua
	Alarm Contro	ıl .	Reset
	One Shot Ca	pture	A still picture will be displayed on a newly opened window.
	GUI/Setup Me	enu Language	English / Italian / French / German / Spanish / Russian / Chinese / Japanese
	System Log		Up to 100 (Internal), error logs
	Supported O	C '4 '5	Microsoft® Windows® 8, Microsoft® Windows® 7,
	Supported O	5 7 7	Wilcrosoft Windows 8, Wilcrosoft Windows 7,
			Microsoft® Windows Vista®, Microsoft® Windows® XP SP3
	Supported B	rowser	Windows® Internet Explorer® 10.0 (32 bit),
			Windows® Internet Explorer® 9.0 (32 bit),
			Windows® Internet Explorer® 8.0 (32 bit),
			Williams Internet Explorer 6.0 (32 bit),
			Windows® Internet Explorer® 7.0 (32 bit),
			Microsoft® Internet Explorer® 6.0 SP3
Network	Network IF		10Base-T / 100Base-TX, RJ-45 connector (female)
	Image	Aspect ratio:	H.264: VGA (640 x 480) / QVGA (320 x 240), up to 30 fps
	Resolution *6	[4:3]	JPEG: VGA (640 x 480) / QVGA (320 x 240), up to 30 fps
	1 lesolution		3FEG. VGA (040 X 460) / QVGA (320 X 240), up to 30 lps
			H.264: 640 x 360 / 320 x 180, up to 30 fps
		[16:9]	JPEG: 640 x 360 / 320 x 180, up to 30 fps
	H.264	Transmission Mode	
		Frame Rate	1/3/5/75/10/12/15/20/30 fps
		D'LD L (Ol')	04 /400 /050 /004 /540 /700 /4 004 /4 500 /0 040 /0 070 /4000
			64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4096
		Image Quality	LOW / NORMAL / FINE
		Refresh Interval	1 fps ~ 30 fps
	IDEC	Transmission Type	UNICAST / MULTICAST
	JPEG	Transmission Type Image Quality	UNICAST / MULTICAST 10 steps
	JPEG	Transmission Type Image Quality	UNICAST / MULTICAST
	JPEG	Transmission Type Image Quality Refresh Interval	UNICAST / MULTICAST 10 steps 0.1 fps ~ 30 fps
		Transmission Type Image Quality Refresh Interval Transmission Type	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH
	JPEG Supported P	Transmission Type Image Quality Refresh Interval Transmission Type	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP,
		Transmission Type Image Quality Refresh Interval Transmission Type	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP
		Transmission Type Image Quality Refresh Interval Transmission Type	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 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,
	Supported Pi	Transmission Type Image Quality Refresh Interval Transmission Type	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH IPvs: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, (CMP, ARP IPvs: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DNS, NTP, SNMP, UPnIP, IGMP, ICMP, ARI
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	Supported Professional Professi	Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH PIVE: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, (CMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SNMP, UP-IP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions)
	Supported Properties of Supported Properties of Simultaneous Cellular Phone	Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users e Compatibility	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 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, DNS, NTP, SNMP, UP-IP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image
	Supported Programmer Supported	Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users © Compatibility I Compatibility	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 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, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals
Alarm	Supported Properties of Supported Properties of Simultaneous Cellular Phone	Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users © Compatibility I Compatibility	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 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, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals
Alarm	Supported Programmer Supported	Transmission Type Image Quality Refresh Interval Transmission Type rotocol anneous Users to Compatibility To Compatibility?	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH PIVE: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP PV4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals WMD, Command alarm
Alarm	Supported Programmer FTP Client No. of Simult Cellular Phone Mobile Termina Alarm Source	Transmission Type Image Quality Refresh Interval Transmission Type rotocol anneous Users to Compatibility To Compatibility?	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 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, DNS, NTP, SMMP, JPnP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, Indication on browser, FTP image transfer,
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30 fps PULL / PUSH PIVE: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UP-IP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, IPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: Safety> UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <EMC> FCC Part15 ClassB, ICES-003 ClassB BL-VP101E / BL-VP101U: Safety> IEC60950-1 Ed.2</td></tr><tr><td></td><td>Supported Programmer Supported Programmer Supported</td><td>Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users Compatibility Compatibility S</td><td>UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH IPv6: TCPI/P, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP IPv4: TCPI/P, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCPv6, MLD, ICMP, ARP IPv4: TCPI/P, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: <Safetys UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <EMC> FOC Part15 ClassB, ICES-003 ClassB BL-VP101E / BL-VP101U: <Safetys IEC60950-1 Ed.2 <EMC> ENS65022 ClassB, EN55024</td></tr><tr><td></td><td>Supported Programmer P</td><td>Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users Compatibility I Compatibility S s</td><td>UNICAST / MULTICAST 10 steps 0.1 fps - 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30 fps PULL / PUSH PIVE: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnIP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: Safety> UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <EMCS FCC Part15 ClassB, ICES-003 ClassB BI-VP101E / BI-VP101U: Safety> IEC60950-1 Ed.2 <EMCS FCS EN55022 ClassB, EN55024 6.5 V DC (Use only with Panasonic AC adapter)</td></tr><tr><td></td><td>Supported Pi FTP Client No. of Simult Cellular Phone Mobile Termina Alarm Source Alarm Action Schedule Safety/ EMC Standa Power Const.</td><td>Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users Compatibility I Compatibility? s s ard</td><td>UNICAST / MULTICAST 10 steps 0.1 fps - 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30 fps PULL / PUSH 10 yet CPD/P, 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, DNS, NTP, SNMP, UPnP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: Safety> IEC60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <EMC> FCC Part15 ClassB, ICES-003 ClassB BL-VP101E / BL-VP101U: Safety> IEC60950-1 Ed.2 <EMC> EN55092 ClassB, EN55024 6.5 V DC (Use only with Panasonic AC adapter) BL-VP101/VP101E / NB-VIDE / man 1.8 W</td></tr><tr><td></td><td>Supported Pi FTP Client No. of Simult Cellular Phone Mobile Termina Alarm Source Alarm Action Schedule EMC Standa Power Source Power Source Power Const. Ambient Operation</td><td>Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users aneous Users aneous Users Compatibility I Compatibility? s s ard e and mption mp Temperature</td><td>UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnIP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later), Android™ mobile terminals VMD, Command alarm E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output VMD BIL-VP101: <Safety> UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <EMC> FCC Part15 ClassB, ICES-003 ClassB BIL-VP101E, PIB-VP101U: <Safety> IEC60950-1 Ed.2 <EMC> ENS5022 ClassB, EN55024 6.5 V DC (Use only with Panasonic AC adapter) BIL-VP101/P1011/P101U: max. 1.8 W 0 ~C ~40 ~C (S2 *F ~ 104 *F)</td></tr><tr><td>Alarm</td><td>Supported Pi FTP Client No. of Simult Cellular Phone Mobile Termina Alarm Source Alarm Action Schedule Safety/ EMC Standa Power Const. Ambient Operal Ambient Operal</td><td>Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users aneous Users aneous Users Compatibility I Compatibility? s s ard e and mption mp Temperature</td><td>UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH 10 yev: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPy6, MLD, (CMP, ARP) IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: Safety> UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <EMC> FCC Part15 ClassB, ICES-003 ClassB BL-VP101E / BL-VP101U: Safety> IEC60950-1 Ed.2, Safety> IEC60950-1 Ed.2 Safety> IEC60950-1 Ed.2 Safety> IEC60950-1 Ed.2 Safety> IEC60950-1 Ed.2 SeMC> EN55022 ClassB, IN55024 6.5 V DC (Use only with Panasonic AC adapter) BL-VP101/VP101E/VP101U: max. 1.8 W 0 °C - 40 °C (32 °F - 104 °F) BLSS than 90 % (no condensation)</td></tr><tr><td></td><td>Supported Pi FTP Client No. of Simult Cellular Phone Mobile Termina Alarm Source Alarm Action Schedule EMC Standa Power Source Power Source Power Const. Ambient Operation</td><td>Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users aneous Users aneous Users Compatibility I Compatibility? s s ard e and mption mp Temperature</td><td>UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH IPv6: TCPI/P, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP IPv4: TCPI/P, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCPv6, MLD, ICMP, ARP IPv4: TCPI/P, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission UP to 14 users (Depends on network conditions) JPEG image IPad, IPhone, IPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: Safetys UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 SEMC> FCC Part15 ClassB, ICES-003 ClassB BL-VP101F / BL-VP101U: Safetys IEC60950-1 Ed.2 SEMC> ENDSO22 ClassB, EN55024 6.5 V DC (Use only with Panasonic AC adapter) BL-VP101P101E/VP101U: max. 1.8 W 0 " inches="" less="" mm="" td="" than="" x="">
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	Supported Pi FTP Client No. of Simult Cellular Phone Mobile Termina Alarm Source Alarm Action Schedule Safety/ EMC Standa Power Const. Ambient Operal Ambient Operal	Transmission Type Image Quality Refresh Interval Transmission Type rotocol aneous Users e Compatibility? e s ard e and mption ng Temperature atting Humidity	UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP, UPnP, IGMP, ICMP, AR Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) JPEG image IPad, IPhone, IPod touch (iOS 4.2.1 or later) , Android™ mobile terminals VMD, Command alarm E-mail notification, indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: Safetys UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 SEMC> FCC Part15 ClassB, ICES-003 ClassB BL-VP101F / BL-VP101U: Safetys IEC60950-1 Ed.2, SEMC> ENS5022 ClassB, EN55024 6.5 V DC (Use only with Panasonic AC adapter) BL-VP101P101EV/P101U: max. 1.8 W 0 "C - 40 "C (32 "F - 104 "F) Less than 90 % (no condensation) 70 mm (W), x 2-3/4 inches (W) x 2-3/4

- *1 Converted value *2 The actual line speed may be different depending on the network environment and the wireless devices connected.
- devices connected.

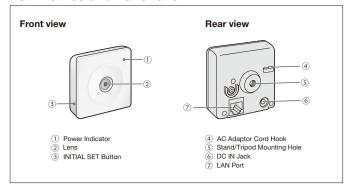
 3 Depending on the wireless router (wireless access point) used, connections may not possible between the camera and the wireless router.

 When connecting with 802.11n, select WPA-PSK (AES) or WPA2-PSK (AES) for security.

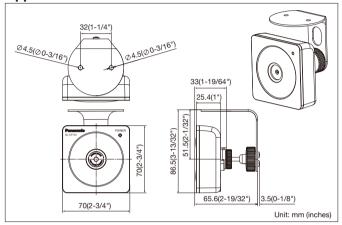
 4 Refer to "Notes on Windows Vista" / Windows® 7 / Windows® 8" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.

 5 When using IPv6 for communication, use Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.
- *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).

Part Names and Functions



Appearance



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- Important
 Important
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