





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 F2.8Digital 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
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- 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

	Installation Guide1 pc. CD-ROM ⁻¹ 1 pc.
1 pc.	
*1 The CD-ROM contains the operating instructions and di	fferent kinds of tool software programs.

Specifications

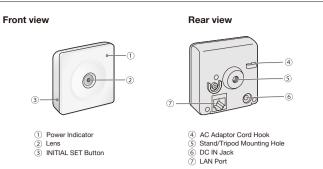
	Image Senso	r	1/5 type CMOS Sensor
Camera			Approx. 0.32 megapixels
	Effective Pixels Scanning Mode		Progressive
	Scanning Are Minimum Illur	mination	2.69 mm (H) x 2.02 mm (V) {1/8 inches (H) x 1/16 inches (V)}
	winimum illur	nination	Color: 0.9 lx (F2.8, Auto slow shutter: Off (1/30s), Gain:On(High))
	White Balance Light Control Mode		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
			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
	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 (1/250 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 Black Stretch AGC Electronic Sensitivity UP Day & Night (electrical) Digital Noise Reduction		ON / OFF
			ON (HIGH) / ON (MID) / ON (LOW) / OFF
			OFF (1/30 s), Max. 2/30 s, Max. 3/30 s, Max. 4/30 s, Max. 8/30 s
			OFF / AUTO
			HIGH / LOW
	Video Motion		
			ON / OFF (4 areas available)
	Privacy Zone		ON / OFF (up to 2 zones available)
	Camera Title		Up to 20 characters (alphanumeric characters, marks), On/Off
Lens	Focal Length Angular Field of View Maximum Aperture Ratio		2.7 mm
			Horizontal: 53 °, Vertical: 40.5 °
			1:2.8
	Focusing Range		0.5 m ~ ∞
Browser GUI	Camera Control		Brightness
	Display Mode		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		electronic zoom (up to 4x).
	Camera Title		Up to 20 alphanumeric characters
	Clock Display	/	Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual
	Alarm Contro		Reset
	One Shot Ca		A still picture will be displayed on a newly opened window.
			English / Italian / French / German / Spanish / Russian / Chinese / Japanese
		inu Language	
	System Log	0 14 15	Up to 100 (Internal), error logs
	Supported O	5 * *	Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP. Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit)
	Supported Br	rowser	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
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			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		Constant bitrate / Frame rate / Best effort
	1		1/3/5/7.5/10/12/15/20/30 fps
		Rit Pate/Client	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4096
		Image Ouelity	LOW / NORMAL / FINE
		Defreeb Interval	1 fps ~ 30 fps
		nerresi interval	TIPS ~ 30 IPS
	1050	Transmission Type	UNICAST / MULTICAST
	JPEG	Image Quality	
		Refresh Interval	
			0.1 1p3 ~ 30 1p3
		Transmission Type	PULL / PUSH
	Supported Pr	Transmission Type	PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP,
	Supported Pr	Transmission Type	PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP
	Supported Pr	Transmission Type	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 Pr	Transmission Type	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,
		Transmission Type	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, UPAP, IGMP, ICMP, ARI
	FTP Client	Transmission Type rotocol	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, ARI Alarm image transmission, FTP periodic transmission
	FTP Client No. of Simulta	Transmission Type rotocol aneous Users	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions)
	FTP Client No. of Simulta Face Detection	Transmission Type rotocol aneous Users	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, UPAP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification)
	FTP Client No. of Simulta Face Detectio Cellular Phone	Transmission Type rotocol aneous Users on Compatibility	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image
Alorma	FTP Client No. of Simulta Face Detectio Cellular Phone Mobile Termina	Transmission Type rotocol aneous Users on Compatibility I Compatibility ⁷⁷	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later), Android [™] mobile terminals
Alarm	FTP Client No. of Simulta Face Detectio Cellular Phone Mobile Termina Alarm Source	Transmission Type otocol aneous Users on Compatibility I Compatibility	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image IPad, iPhone, iPod touch (iOS 4.2.1 or later), Android [™] mobile terminals WMD, Command alarm
Alarm	FTP Client No. of Simulta Face Detectio Cellular Phone Mobile Termina	Transmission Type otocol aneous Users on Compatibility I Compatibility	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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,
Alarm	FTP Client No. of Simulta Face Detectio Cellular Phone Mobile Termina Alarm Source Alarm Actions	Transmission Type otocol aneous Users on Compatibility I Compatibility	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, UPPA, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image IPad, IPhone, IPod touch (ICS 4.2.1 or later), Android [™] mobile terminals VMD, Command alarm E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output
	FTP Client No. of Simultz Face Detection Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule	Transmission Type otocol aneous Users on Compatibility I Compatibility	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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
	FTP Client No. of Simulta Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/	Transmission Type rotocol	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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:
	FTP Client No. of Simultz Face Detection Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule	Transmission Type rotocol	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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: <\$afatys UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2
	FTP Client No. of Simulta Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/	Transmission Type rotocol	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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:
	FTP Client No. of Simulta Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/	Transmission Type rotocol	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, UPAP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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: <\$afatys UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2
	FTP Client No. of Simulta Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/	Transmission Type rotocol	PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DH/CPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPAP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image Fad, 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, ICSE-003 ClassB BL-VP101U:</emc></safety>
	FTP Client No. of Simulta Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/	Transmission Type rotocol	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, UPPA, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image IPad, IPhone, IPO 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 VMD Safety> UL60950-1 Ed.2, C22.2 NO 60950-1 Ed.2 <emc> FCC Part15 ClassB, ICES-003 ClassB BL-VP101E <safety> UL606950-1 Ed.2</safety></emc>
	FTP Client No. of Simulta Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Source Alarm Actions Schedule Safety/ EMC Standa	ITensmission Type rotocol	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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> FCG Part15 ClassB, ICES-003 ClassB BL-VP101E / BL-VP101U: <safety> IEC60950-1 Ed.2 <emc> EN55022 ClassB, EN55024</emc></safety></emc></safety>
	FTP Client No. of Simulta Face Detectio Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/ EMC Standa	ITransmission Type iotocol aneous Users on Compatibility S s rd ard ard ard ard ard and ard ard ard	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, UPAP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image Frad, IPhone, IPod touch (IOS 42.1 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-VP101F <safety> UL60950-1 Ed.2 <emc> FCS OBS0-1 Ed.2 <emc> ENS5022 ClassB, ENS5024 <6.5 V DC (Use only with Panasonic AC adapter)</emc></emc></safety></emc></safety>
	FTP Client No. of Simulta Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/ EMC Standa Power Source Power Consu	Iransmission Type otocool aneous Users on Compatibility Compatibility Compatibility as a a a a a a a a a a a a a a a a a a	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image "Pad, iPhone, iPod touch (IOS 4.2.1 or later), Android" mobile terminals YMD, 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> UL60950-1 Ed.2 <emc> CC 60050-1 Ed.2 <emc> CC Dury only with Panasonic AC adapter) BL-VP101E/VP101E/VP101U: max.1.8 W</emc></emc></safety></emc></safety>
	FTP Client No. of Simulta Face Detectio Cellular Phone Mobile Ternina Alarm Source Alarm Actions Schedule Safety/ EMC Standa Power Source Power Consu Ambient Operatin	ITransmission Type otocool anneous Users on Compatibility Compatibility S anneous Compatibility S anneous Compatibility S anneous S anneous Compatibility S anneous Anneous S anneous Anneous S a C Anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S anneous S Anneous S Anneous S Anneous S Anneous S Anneous S Anneous S Anneous S Anneous Anneous S Anneous S Anneous S Anneous S An	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, UPAP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image Faal, Phone, iPod touch (IOS 4.2.1 or later), Android" mobile terminals YMD, Command alarm E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output VMD BL-VP101: <safety> LIC60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <emc> FCC Part15 ClassB, ICES-003 ClassB BL-VP101: <safety> LIC60950-1 Ed.2 <emc> FCC So22 ClassB, EN55024 <5.V DC (Use only with Panasonic AC adapter)</emc></safety></emc></safety>
	FTP Client No. of Simults Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/ EMC Standa Power Consu Ambient Operati Ambient Operati	ITransmission Type otocool aneous Users on Compatibility Gompatibility s an aneous users on compatibility an aneous aneou	PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHP/RD, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UDP/I, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) 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 Safety- UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <emc> FCC Part15 ClassB, ICES-003 ClassB BL-VP101E / Safety- IEC60950-1 Ed.2 <safety- ed.2<="" td="" ul60950-1=""> <emc> ENS5022 ClassB, ENS5024 <6.5 V DC (Use only with Panasonic AC adapter)</emc></safety-></emc>
Alarm General	FTP Client No. of Simulta Face Detectio Cellular Phone Mobile Ternina Alarm Source Alarm Actions Schedule Safety/ EMC Standa Power Source Power Consu Ambient Operatin	ITransmission Type otocool aneous Users on Compatibility Gompatibility s an aneous users on compatibility an aneous aneou	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image IPad, IPhone, IPod touch (IOS 4.2.1 or later) , Android [™] mobile terminals VMD, Command alarm E-main 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 PartIS ClassB, ICES-003 ClassB BL-VP101E / BL-VP101U: <safety> IEC60990-1 Ed.2 <emc> EC50920 ClassB, EN55024 6.5 V DC (Use only with Panasonic AC adapter) BL-VP101P101E/VP101U: max. 1.8 W 0 °C - 40 °C (32 °F - 104 °F) Less than 90 % (no condensation) 70 mm (W) x 25.4 mm (D) (2-3/4 inches (W) x 2-3/4</emc></safety></emc></safety>
	FTP Client No. of Simults Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/ EMC Standa Power Consu Ambient Operati Ambient Operati	ITransmission Type otocool aneous Users on Compatibility Gompatibility s an aneous users on compatibility an aneous aneou	PULL / PUSH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP, RTCP,FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPPP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Deepnds on network conditions) ON / OFF (with XML notification) JPEG image "Fad, 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-VP1017 <safety> UL60950-1 Ed.2, C22.2 NO.60950-1 Ed.2 <emc> FCC Part15 ClassB, ICES-003 ClassB BL-VP1017 <safety> UL60950-1 Ed.2 <emc> FCS ClassB, EN55024 .6.5 V DC (Use only with Panasonic AC adapter) BL-VP1017/V101E/VP101U: max. 1.8 W 0"C - 40" (G) 2" + - 10" 4"F) Less than 90 % (no condensation) 70 mm (W) x 70 mm (H) x 25.4 mm (D) (2:3/4 inches (W) x 2:3/4 inches (M) x 1:nh (D) ()</emc></safety></emc></safety></emc></safety>
	FTP Client No. of Simults Face Detectic Cellular Phone Mobile Termina Alarm Source Alarm Actions Schedule Safety/ EMC Standa Power Consu Ambient Operati Ambient Operati	[Transmission Type rotocol anneous Users on Compatibility Compatibility S s urd e and mption ng Temperature ting Humidity	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, ARI Alarm image transmission, FTP periodic transmission Up to 14 users (Depends on network conditions) ON / OFF (with XML notification) JPEG image IPad, IPhone, IPod touch (IOS 4.2.1 or later), Android [™] mobile terminals VMD, Command alarm E-main 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 PartIS ClassB, ICES-003 ClassB BL-VP101E / BL-VP101U: <safety> IEC60930-1 Ed.2 <emc> ENSC5022 ClassB, EN55024 <6.5 V DC (Use only with Panasonic AC adapter) BL-VP101P101E/VP101U: max. 1.8 W 0 °C - 40 °C (32 °F - 104 °F) Less than 90 % (no condensation) 70 mm (W) x 25.4 mm (D) (2-3/4 inches (W) x 2-3/4</emc></safety></emc></safety>

Converted value

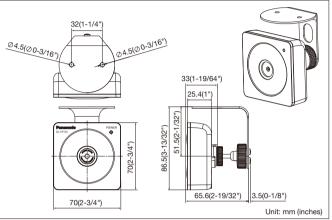
*1 Converted value *2 The actual line speed may be different depending on the network environment and the wireless

*2 The actual line speed may be different depending on the network environment and the wireless 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" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft Windows Vista*.

Part Names and Functions



Appearance



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- IPad, IPhone and IPod touch are registered trademarks of Apple Inc.
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- ONVIF and the ONVIF logo are trademarks of ONVIF Inc.
Important
- Safety Precaution: carefully read the operating instructions and installation manual before using this product.
- Panasonic can not be responsible for network performance and/or other manufacturer products that treside on the network. reside on the network.

Masses and dimensions are approximate.

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

