Panasonic

HD Network Camera WV-SP306



HD/1,280 x 960 H.264 True Day/Night Network Camera with ABF (Auto Back Focus)

Key Features

- 720p HD images up to 30 fps
- Newly developed 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.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Day/Night function: 0.3 lx (Color), 0.05 lx (B/W) at F1.4
- VIQS (Variable Image Quality on Specified area) technology allows the designated area to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- ABF (Auto Back Focus) ensures easy installation.
- 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.
- Superior color reproduction by primary (RGB) color filter
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor / Indoor / ELC / Fixed electronic shutter
 Outdoor / Indoor: Electronic shutter and ALC lens iris control are
 automatically controlled depending on the mode and luminance level.
 ELC: Up to 1/10,000 Electronic shutter is automatically applied for
 a fix iris lens.
 - Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.
- VMD (Video Motion Detector) 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.
- 2x extra zoom at VGA resolution
- 2x, 4x digital zoom controlled by browser
- Camera title display: Up to 20 alphanumeric characters on the browser, Up to 20 alphanumeric characters embedded in the image

- Alarm sources including 1 terminal input, VMD and Panasonic alarm command can trigger actions such as SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic protocol output.
- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- 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.
- SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/MPEG-4 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.
- Alarm log, Manual REC log, FTP error log saved in the SDHC/SD memory card is displayed on the browser GUI and can be downloaded to the client PC. Playback or Image data download through the log is also available.
- Internet mode: H.264/MPEG-4 images can be transmitted over HTTP protocol.
- Multi-language: English / Italian / French / German / Spanish / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- Analog Monitor output for easier installation
- ONVIF compliant model
- Fog compensation

Standard Accessories

• CD-ROM*1
• Code Label*2 1 pc.
The followings are for installation. • Power Cord Plug

- *1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs. *2 This label may be required for network management. The network administrator shall retain the code label.

Specifications

	ficatio						
TV System	1		NTSC PAL				
Camera	Image Sen	sor	1/3 type MOS Sensor				
	Effective P	ixels	Approx. 1.3 megapixel				
	Scanning N	√lode	Progressive scan				
	Scanning A		4.8 mm (H) x 3.6 mm (V) {3/16 inches (H) x 5/32 inches (V)}				
	Minimum Illumination		Color: 0.3 lx, B/W: 0.05 lx at F1.4 (Shutter: 1/30 s, AGC: High),				
			Color: 0.019 lx, B/W: 0.003 lx at F1.4 (Shutter: 16/30 s, AGC: High)				
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)				
	Light Control Mode		Outdoor: Automatic integration of ALC and ELC				
			Indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 s)				
			Indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 s)				
			ELC: (up to 1/10,000 s)				
	Shutter Speed		Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100,				
			1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000				
	Wide Dyna	mic Range	ON / OFF				
	Face Wide D	ynamic Range	ON / OFF (Only at Wide Dynamic Range: ON)				
	Adaptive E	lack Stretch	ON / OFF (Only at Wide Dynamic Range: OFF)				
	AGC		ON (LOW, MID, HIGH) / OFF				
	Electronic	Sensitivity UP	OFF / AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s))				
		White Mode	Mode: AUTO1 / AUTO2 / ON / OFF, Level: High / Low, with external control				
	Digital Noise Reduction		High / Low				
		on Detection	4 areas, Sensitivity: 15 steps, Detection size: 10 steps				
	Privacy Zo		Up to 2 zones, Gray ON / OFF				
	VIQS						
	Camera Tit	le (OSD)	Up to 20 alphanumeric characters				
	Back Focus Adjustment		ABF/MANUAL, ABF mode upon CL/BW switching: AUTO / PRESET / FIX				
Browser	Camera Co		Brightness, AUX ON / OFF				
GUI	Display Mo		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad				
u0.	Diopidy IVIC	,ac	screens or 16 split screen (JPEG only). 20 characters camera title available.				
	Digital Zoo	m	1x, 2x, 4x controlled by browser GUI				
			Up to 20 alphanumeric characters				
	Camera Title Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Auto / Manual)				
	Alarm Con	-	Reset				
			A still picture will be displayed on a newly opened window.				
	One Shot Capture		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,				
	, ladio		Audio Output: ON / OFF Volume adjustment: Low / Middle / High				
	SD Memory	Data Download	Still or motion Images recorded in the SDHC/SD memory card can be downloaded.				
		Menu Language	English, Italian, French, German, Spanish, Russian, Chinese, Japanese				
	System Lo		Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the				
	Oystern Lo	9	recording format is set to JPEG.) error logs				
	Supported	OS	Microsoft® Windows® 8, Microsoft® Windows® 7,				
	Supported OS		Microsoft® Windows Vista®,				
			Microsoft® Windows® XP SP3				
	Supported	Broweer	Windows® Internet Explorer® 10.0 (32 bit),				
	Cupporteu	Biowsci	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				
VELWOIR	Image		H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps				
	Resolution		MPEG-4: VGA (640 × 480) / QVGA (320 × 240), up to 30 fps				
	*1 *2	[,,,,,]	JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps				
		Aspect ratio	H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps				
		[16 : 9]	JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps				
	H.264/	Transmission	Constant bitrate / Framerate priority / Best effort / Advanced VBR				
	MPEG-4	Mode	Constant Strate / Framerate phonty / Dest enort / Advanced VBN				
	1		1 / 3 / 5 / 7 5 / 10 / 12 / 15 / 20 / 30 fpe				
	*1	Frame Rate	1/3/5/7.5/10/12/15/20/30 fps				
	1	Frame Rate Bit Rate/	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 /				
	1	Frame Rate Bit Rate/ Client	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only				
	1	Frame Rate Bit Rate/ Client Image Quality	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE				
	1	Frame Rate Bit Rate/ Client Image Quality Refresh Interval	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s				
	H	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST				
	1	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps				
	JPEG	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH				
	JPEG Audio Com	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps				
	JPEG Audio Com	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)				
	JPEG Audio Com Audio Mod Authentica	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Transmissio	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users				
	JPEG Audio Com Audio Moc Authentica Total Bit R	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type propression le tion for Audio ate	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited				
	JPEG Audio Com Audio Mod Authentica	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type propression le tion for Audio ate	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP,				
	JPEG Audio Com Audio Moc Authentica Total Bit R	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type propression le tion for Audio ate	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.254 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, ICMPv6				
	JPEG Audio Com Audio Moc Authentica Total Bit R	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type propression le tion for Audio ate	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, ICMPv6 IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP, RTP, SMTP, SMTP, SMTP,				
	JPEG Audio Com Audio Moc Authentica Total Bit R Supported	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Image Q	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, ICMPv6 IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SMMP, UPnP, IGMP, ICMP, ARP				
	JPEG Audio Com Audio Moc Authentica Total Bit R	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Image Q	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, ICMPv6 IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SNMP, UPnP, IGMP,				
	JPEG Audio Com Audio Moc Authentica Total Bit R Supported	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Image Q	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.254 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, ICMPv6 IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP Alarm image transfer, Periodic image transfer, Active/Passive selectable (When the FTP periodic transmission is failed,				
	JPEG Audio Com Audio Moc Authentica Total Bit R Supported	Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image Quality Transmission Type pression le tion for Audio ate Protocol	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8096* kbps / Unlimited * H.264 mode only LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, ICMPv6 IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SNMP, UPnP, IGMP,				

Traden	narks	and	reg	istered	tra	dem	arks	5

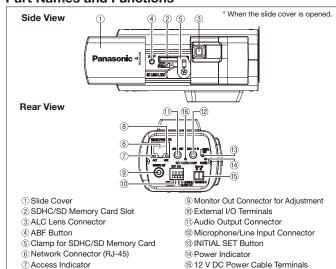
- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
- iPad, iPhone and iPod touch are registered trademarks of Apple Inc.
 UniPhier is a registered trademark of Panasonic Corporation.
 "I-PRO SnartHD" logo is trademarks or registered trademarks of Panasonic Corporation.
 ONVIF and the ONVIF logo are trademarks of ONVIF Inc.

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

TV System	1	NTSC	PAL			
Network	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post)				
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon				
		network failure Compatible SD (SDHC) card: Panasonic 256 MB				
		512 MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card				
	Cellular Phone Compatibility	JPEG image				
	Mobile Terminal Compatibility*3	iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android™ mobile terminals				
Alarm	Alarm Source	1 terminal input, VMD, Commar	terminal input, VMD, Command alarm			
	Alarm Actions	SDHC/SD memory recording, E-mail notification, Alarm terminal output,				
		Indication on browser, FTP image transfer, Panasonic protocol output				
	Alarm Log	With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs				
	Schedule	Alarm / VMD / Access permission	on / H.264 recording			
Input/	Monitor Output	1.0 V [p-p] / 75 Ω,	1.0 V [p-p] / 75 Ω,			
Output	(for adjustment)	NTSC composite, RCA Jack	PAL composite, RCA Jack			
	Microphone/Line Input	MIC IN and Line IN are selectable. ø3.5 mm stereo mini jack				
		(monaural input) (Applicable microphone; Plug-in power type)				
		Supply voltage: 2.5 V ±0.5 V input impedance: approx. 2 kΩ				
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level				
	External I/O Terminals	ALARM IN / DAY/NIGHT IN, ALARM OUT, AUX OUT				
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN55022 ClassB, EN55024)			
		C-UL (CAN/CSA C22.2 No.60065),				
		DOC (ICES003 ClassA)				
	Power Source and Consumption	12 V DC: 350 mA, PoE (IEEE 802.3af): 4.4 W (Class 2 device)				
	Ambient Operating	-10 °C ~ +50 °C (14 °F ~ 122 °F),				
	Temperature/Humidity	Less than 90 % (no condensation)				
	Dimensions	75 mm (W) x 65 mm (H) x 132.5mm (L) (2-31/32" (W) x 2-9/16" (H) x 5-1/4"				
	Mass (approx.)	ass (approx.) 410 g (0.9 lbs.)				

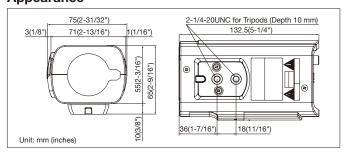
- *1 H.264 and MPEG-4 are alternative.
- 2 [4:3] and [16:9] are alternative.
 3 For further information about compatible devices, refer to our website (http://security.panasonic.com/pss/security/support/info.html).

Part Names and Functions



Appearance

® Link Indicator



- All TV pictures are simulated.
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.
 These products may be subject to export control regulations.
- · All product pictures are NTSC models.

DISTRIBUTED BY:

anasonic

(6) SDHC/SD Memory Card Error Indicator /

ABF Indicator

http://security.panasonic.com http://www.facebook.com/PanasonicNetworkCamera