

NTSC WV-NP244 (24 V AC, 12 V DC or PoE) PAL WV-NP240 (220 ~ 240 V AC or PoE)  
WV-NP244 (24 V AC, 12 V DC or PoE)



## High quality MPEG-4 and JPEG dual streaming network camera

### Key Features

- MPEG-4/JPEG digital signal output at VGA image size with up to 30 ips
- MPEG-4 and JPEG dual stream output for simultaneous real time monitoring and high resolution recording
- Progressive output provides clear images, even when the subject is moving.
- High sensitivity: 1.1 lux at F1.2, 1.5 lux at F1.4
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Electronic shutter for anti flicker
- VMD (Video Motion Detector) with 4 programmable detection areas and 6 sensitivity levels
- Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- Monitor output for easier installation
- Up to 3x digital zoom with controlled by browser
- Camera title display: Up to 20 alphanumeric characters on browser
- SD Memory card slot for alarm recording and backup upon network failure. Recorded data can be downloaded by using FTP command.
- Alarm sources including Terminal input, VMD and Panasonic alarm command can trigger actions including SD memory recording/FTP image transfer, E-mail notification, Alarm indication, Terminal output and Panasonic protocol output.
- Built-in microphone for audio (1-way)
- Built-in network interface (10Base-T / 100Base-TX)
- Power over Ethernet (PoE) IEEE 802.3af.
- Multiscreen: Images from 8 cameras can be displayed in 2 separate Quad screens (JPEG only). 20 characters camera title is available for each camera.
- FTP client function enables periodic image data transfer or transfer upon alarm.
- Alarm e-mail notification

- Max. bit rate/client (64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 2,048 / 4,096 kbps) or frame rate priority mode (4,096 kbps / Unlimited) for MPEG-4 and Total bit rate control (64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited) allowing flexible network management.
- Supported Protocol: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP
- Internet mode: MPEG-4 images can be transmitted over HTTP protocol.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL) / English, French (NTSC) \* Installation required except for English

### Standard Accessories

• CD-ROM* ..... 1 pc.	The following parts are used during installation procedures.
• Operating Instructions (English version) ..... 1 pc.	
• Code Label ..... 1 pc.	
• Power cord (only for the WV-NP240) ..... 1 pc.	
• Safety wire lug (for wall) ..... 1 pc.	
• Safety wire plate (for ceiling) ..... 1 pc.	• Screw (M2.5) ..... 1 pc.
* Panasonic IP setting software, the viewer software and the operating instructions (PDF) are included on the CD-ROM.	

### Optional Accessories

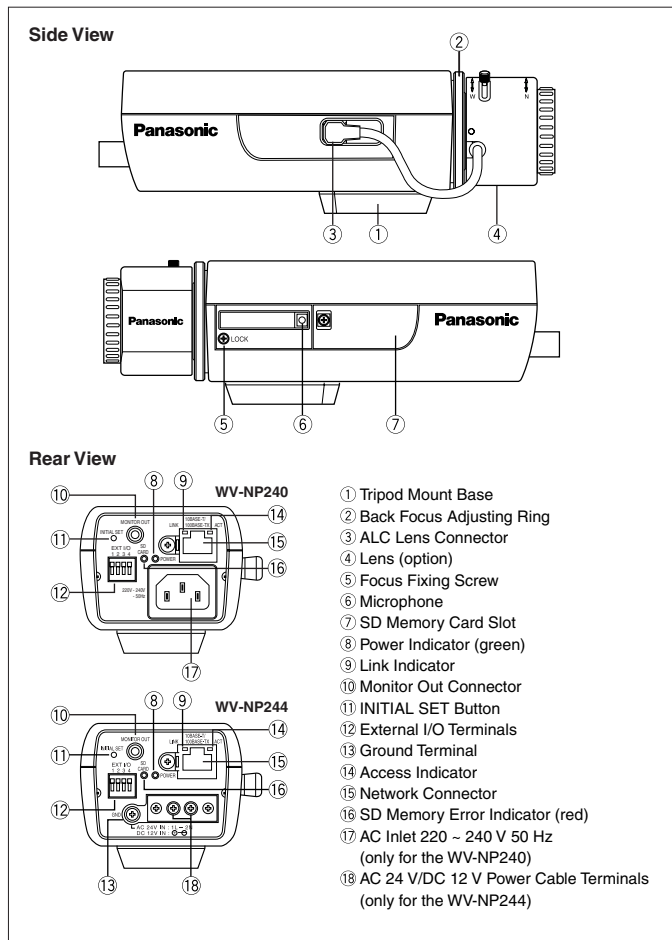
<p>1/3 inch 2x Varifocal Lens <b>WV-LZA61/2S</b> (3.8 ~ 8 mm) F1.4 (Wide) F1.8 (Tele)</p>	<p>1/3 inch 8x Varifocal Lens <b>WV-LZ62/8S</b> (5 ~ 40 mm) F1.6 (Wide) F1.9 (Tele)</p>
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## Specifications

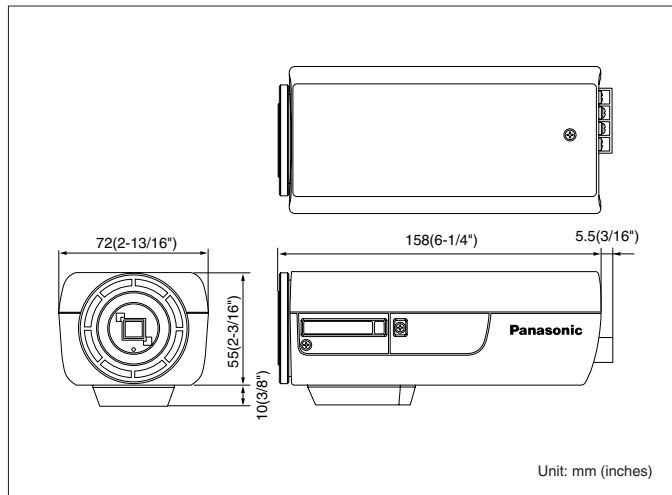
TV System	NTSC	PAL		
<b>Camera</b>	Image Sensor	1/3 inch progressive scan CCD		
	Effective Pixels	659 (H) x 494 (V)		
	Scanning Mode	Progressive scan		
	Scanning Area	4.8 (H) x 3.6 (V) mm		
	Minimum Illumination	Color (30IRE): 1.5 lux (Sens up: OFF), 0.09 lux (Sens up: 16x) at F1.4		
	White Balance	AUTO / HOLD		
	Light Control	ALC or ELC		
	BLC	ON / OFF		
	AGC	Always ON		
	Electronic Shutter	For flicker less mode: 1/100 ~ 3/100 (Auto select)*		
	Electronic Sensitivity UP	OFF / AUTO (2x, 4x, 8x, 16x)		
	Digital Zoom	1x, 1.5x, 2x, 2.5x, 3x, Controlled by browser GUI		
	Video Motion Detector	4 areas, 6 Sensitivity: High / Middle / Low		
	Back Focus Adjustment	Manual		
	Lens Mount	CS-mount		
	Synchronization	Internal		
	<b>Browser GUI</b>	Camera Control	Brightness, AUX ON/OFF	
Display Mode		Spot, Quad: Image from 8 cameras can be displayed in 2 different Quad screens (JPEG only), 20 characters camera title available.		
Digital Zoom		1x, 1.5x, 2x, 2.5x, 3x, Zoom by camera		
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 is displayed on a newly opened window.		
Audio		ON / OFF		
GUI / Setup Menu Language		English, French (Installation required for French)	English, French, Italian, Spanish, German, Russian (Installation required except for English)	
System Log		Up to 100 (Internal), Up to 4,000 (SD memory) error logs		
Supported OS		Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2, Microsoft® Windows® 2000 Professional SP4 The language of the OS must be same as selected GUI language.		
Supported Browser		Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows® XP Home/Professional SP2), Microsoft® Internet Explorer® 6.0 SP1 (Microsoft® Windows® 2000 Professional SP4)		
<b>Network</b>		Network IF	10Base-T / 100Base-TX, RJ45 connector IEEE 802.3af, PoE compatible	
		Image Resolution	VGA (640 x 480) / QVGA (320 x 240)	
		Image Compression	MPEG-4: Image quality: LOW / NORMAL / FINE, Transmission type: UNICAST / MULTICAST JPEG: Image quality: 10 steps, Transmission type: PULL / PUSH MPEG-4 and JPEG dual streaming, JPEG multi-resolution supported.	
		Image Refresh Rate	0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max. rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously)	
		Audio Compression	G.726 (ADPCM) 32 kbps / 16 kbps	
	Total Bit Rate	64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps and unlimited		
	Max. Bit Rate / Client (MPEG-4)	64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps or Frame rate priority (4,096 kbps / Unlimited)		
	Supported Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP		
	FTP Client	Alarm image transfer, FTP Periodic transfer		
	No. of Simultaneous Users	8 (Depends on network conditions)		
	SD Memory Card (Option)	Alarm REC / Backup upon network failure. Compatible SD card: Panasonic 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB model		
	Alarm E-mail	Up to 4 e-mail addresses		
	User Registration	Up to 16 users		
	User/Host Level	3 Levels: Administrator, Camera control, Live only		
	Security Measures	User authentication (ID 32 digit, PW 32 digit), Host authentication (IP address)		
	<b>Alarm</b>	Alarm Source	VMD, Command alarm, Terminal input	
		Alarm Actions	SD memory recording/FTP image transfer, e-mail notification, Terminal output, Indication on browser, Panasonic protocol output	
<b>Input / Output</b>	Monitor Output	1.0 V [p-p] / 75 Ω / NTSC composite signal / ø3.5 mm mini jack	1.0 V [p-p] / 75 Ω / PAL composite signal / ø3.5 mm mini jack	
	External I/O Terminals	1x Alarm input / 1x Alarm output, 1x AUX output		
	Microphone	Built-in microphone		
<b>General</b>	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA)	CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558)	
	Power Source / Consumption	24 V AC, 60 Hz 4.8 W / 12 V DC 400 mA / PoE (IEEE802.3af): 4.2 W	WV-NP240: 220 ~ 240 V AC, 50 Hz, 5.0 W / PoE (IEEE802.3af): 4.2 W WV-NP244: 24 V AC, 50 Hz 4.8 W / 12 V DC 400 mA / PoE (IEEE802.3af): 4.2 W	
	Ambient Operating Temperature	-10 °C ~ +50 °C (14 °F ~ 122 °F)		
	Ambient Operating Humidity	Less than 90 % (without condensation)		
	Dimensions	72 mm x 65 mm x 158 mm (2-13/16" x 2-9/16" x 6-1/4")		
	Weight	Approx. 450 g (0.99 lbs.) WV-NP240: 470 g (1.03 lbs.) WV-NP244: 450 g (0.99 lbs.)		

\* Flicker may appear when the object is darker than specified level.

## Part Names and Functions



## Appearance



### Trademarks and registered trademarks

– Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.  
– "Super Dynamic", "SDII", "SDIII" and "i-Pro" logos are trademarks or registered trademarks of Panasonic Corporation.

### 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 reside on the network.

- All TV pictures are simulated.
- Weights 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.

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