



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

6 mm (1/3 inch) 2x Varifocal Lens
WV-LZA61/2S
(3.8 ~ 8 mm)
F1.4 (Wide)
F1.8 (Tele)



6 mm (1/3 inch) 8x Varifocal Lens
WV-LZ62/8S
(5 ~ 40 mm)
F1.6 (Wide)
F1.9 (Tele)

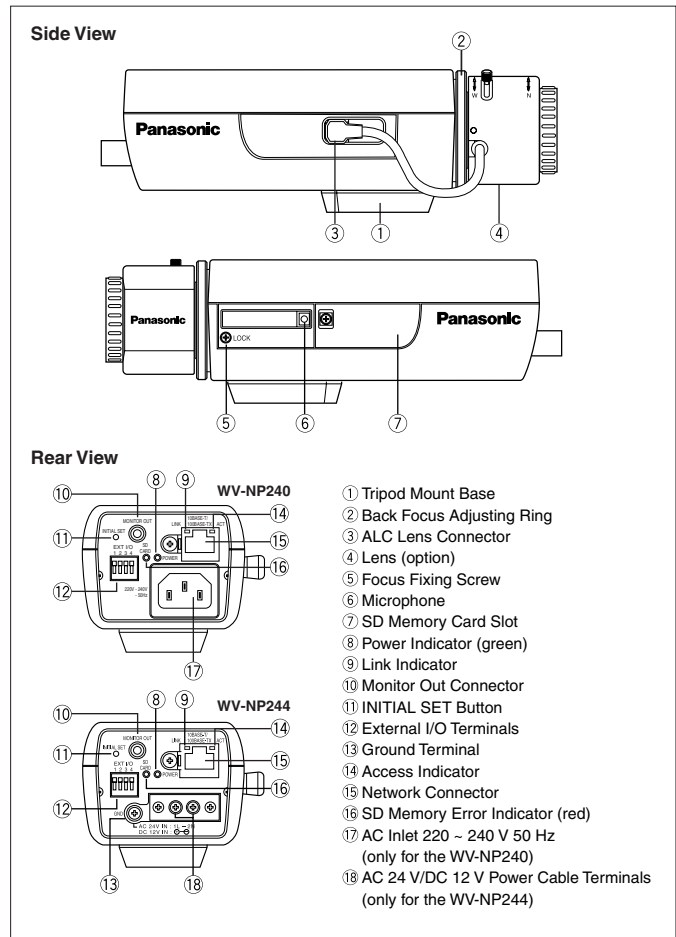


Specifications

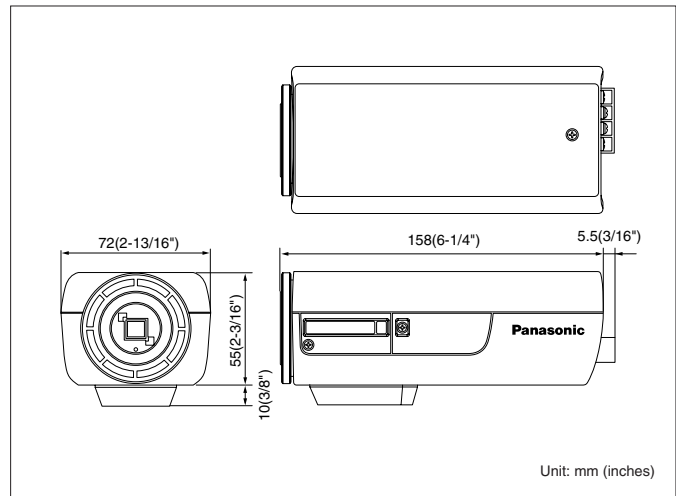
TV System	NTSC	PAL
Camera		
Image Sensor	6 mm (1/3 inch) progressive scan CCD	
Effective Pixels	659 (H) x 494 (V)	
Scanning Mode	Progressive scan	
Scanning Area	4.8 (H) x 3.6 (V) mm	
Minimum Illumination	Color (30IRE): 1.5 lux (Sens up: OFF), 0.09 lux (Sens up: 16x) at F1.4	
White Balance	AUTO / HOLD	
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	
Browser GUI		
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)	
Network		
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)	
Alarm		
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	
Input / Output		
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	
General		
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 (Class 2 device)	WV-NP240: 220 ~ 240 V AC, 50 Hz, 5.0 W / PoE (IEEE802.3af): 4.2 W (Class 2 device) WV-NP244: 24 V AC, 50 Hz 4.8 W / 12 V DC 400 mA / PoE (IEEE802.3af): 4.2 W (Class 2 device)
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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