Panasonic
ideas for life

i-pro

Network Security Color Camera

WV-NP244

Lens : optional

MPEG-4 & JPEG Dual Stream. Plus, PoE (Power over Ethernet) for Easy Installation.

Panasonic introduces the new WV-NP244 network camera that is both MPEG-4 and JPEG dual stream compatible. MPEG-4 makes viewing video smooth and seamless, and is multicast/unicast switchable to fit your application. When using JPEG, 640 x 480 (VGA) images can be transmitted at up to 30 fps. Plus, with progressive scan in both MPEG-4 and JPEG modes, images of moving subjects are captured in high fidelity. With the optional F1.2 lens, these cameras operate in lighting as low as 1.1 lux (0.11 fc). In addition electronic sensitivity can be increased up to 16 times, while a 3x digital zoom allows you to view subjects' up-close. A built-in high sensitivity microphone with on/off functionality provides clear audio capabilities.

The WV-NP244 is equipped with PoE (Power over Ethernet) IEEE802.3af, allowing power and signals to be transmitted over the same cable, thus eliminating the need to install a separate power source for each camera. This feature makes installation as simple as plugging the cable into the HUB. Using the multi screen display mode, up to 8 cameras can be monitored from a single browser. The digital motion detector feature transmits an alarm signal when moving subjects enter the scene. When combined with the optional Network Disk Recorder; WJ-ND300, these cameras make it incredibly easy to construct an automatic video surveillance system. Plus, the SD memory card slot allows you to back up images on an SD memory card in case of network failure.

So handy and so reliable, the WV-NP244 is ideal for an endless variety of networked surveillance applications.

KEY FEATURES

- Built-in MPEG-4 and JPEG digital signal output at VGA image size with up to 30 fps.
- Also MPEG-4/JPEG dual stream output for simultaneous live monitoring and high resolution recording. (See the Frame Rate Chart for details).
- Power over Ethernet (PoE) IEEE 802.3af.
- Progressive scan type CCD image sensor.
- Internet Protocol: TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP and SNMP.
- Image refresh rate: 0.1 fps - 30 fps
- Bandwidth control: 64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps and unlimited.
- Built-in network interface (10Base-T / 100Base-TX) for remote monitoring by PC.
- Sensitivity of 1.1 lux (0.11 fc) at F1.2 optional lens.
- Built-in SD Memory card slot for FTP backup.
- Multi screen display (4 screens x 2 groups).
- Built-in Alarm function for external security devices.
- Built-in digital motion detector.
- Built-in electronic zoom function (1x, 1.5x, 2x, 2.5x and 3x).
- Automatic electronic sensitivity enhancement.
- Built-in microphone (G.726).

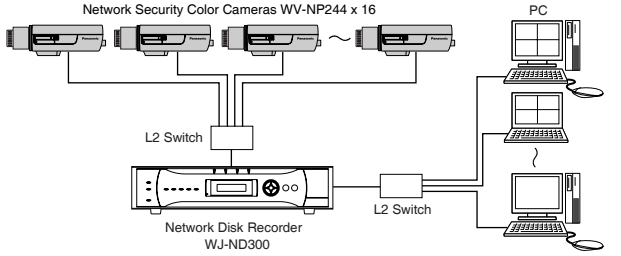
1/3-type Variable Focal Lenses (optional)

WV-LZA61/2S
(3.8 - 8 mm)

WV-LZ62/8S
(5 - 40 mm)

SYSTEM EXAMPLES

1



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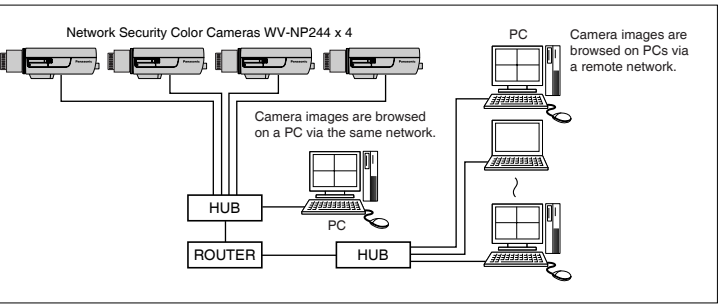


SPECIFICATIONS

Model No.		WV-NP244
Pick Up Device		Progressive scan type CCD image sensor
Scanning Area		5.79 (H) x 4.89 (V) mm
Video Output		VBS 1.0 V [p-p] / 75 Ω, composite signal, 3.5 mm mini jack
Minimum Illumination		1.1 lux (0.11 fc) color imaging at optional F1.2 lens 1.5 lux (0.15 fc) color imaging at optional F1.4 lens
ALC Lens Drive		DC servo
Lens Mount		CS-mount
AGC		ON (always)
Electronic Shutter		AUTO
Electronic Sensitivity Up		OFF, AUTO (2x, 4x, 6x, 8x and 16x)
White Balance		Auto / Hold
Electronic Zoom		1x, 1.5x, 2x, 2.5x and 3x
Motion Detector		ON / OFF
SD Memory Card (optional)		64MB, 128MB, 256MB, 512MB and 1GB by Panasonic SD Memory Card
FTP Client		Alarm image transfer, FTP periodic transfer
Multi Screen		8 screens (4 screens x 2 groups)
External Input Terminals		Alarm input/output, AUX output
Network Section		
Network		10Base-T / 100Base-TX, RJ45 connector
Image Resolution	JPEG	VGA (640 x 480), QVGA (320 x 240) max. 30 fps
	MPEG-4	VGA (640 x 480), QVGA (320 x 240) max. 30 fps
Image Compression	JPEG	10 level adjustment, Pull/Push mode
	MPEG-4	(Image Quality / Normal / Moving Image) selectable, unicast / multicast
Image Refresh Rate		0.1 fps ~ 30 fps
Traffic Control		64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps and unlimited
Internet Protocol		TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP and SNMP
OS		Windows 2000 Professional SP4, Windows XP Home / Professional SP2
Applicable Browser		Internet Explorer 6.0 Service Pack2
Ambient Operating Temperature		–10 °C ~ +50 °C (14 °F ~ 122 °F)
Ambient Operating Humidity		Less than 90 %
Power over Ethernet		Yes (IEEE802.3af)
Power Supply		24 V AC 60 Hz, 12 V DC or PoE (48 V DC)
Power Consumption (approx.)		4.8 W (24 V AC 60 Hz, 12 V DC), 4.2 W (PoE)
Dimensions (W x H x D)		72 x 65 x 158 mm (2-13/16" x 2-9/16" x 6-1/4")
Weight (approx.)		450 g (0.99 lbs.)

Frame Rate Chart

JPEG

Image Resolution	Mode	Image Settings 0 Super Fine	1 Fine	2	3	4	5 Normal	6	7	8	9 Low
VGA (640 x 480)	Image Size (KB)	128	96	80	64	56	48	40	32	28	24
	Frame Rate (fps)	10	14	17	21	24	30	30	30	30	30
	Frame Rate (Mbps)	10.2	10.8	10.9	10.8	10.8	11.5	9.6	7.7	6.7	5.8
QVGA (320 x 240)	Image Size (KB)	44	40	36	32	28	24	20	16	14	12
	Frame Rate (fps)	26	28	30	30	30	30	30	30	30	30
	Frame Rate (Mbps)	9.2	9.0	8.6	7.7	6.7	5.8	4.8	3.8	3.4	2.9

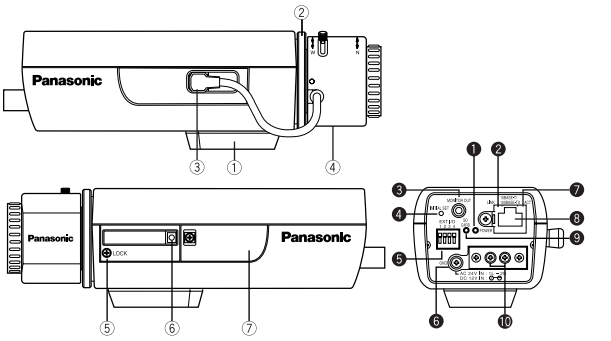
MPEG-4

Image Resolution	Mode	MPEG-4 Bit Rate Settings 4,096 kbps	3,072 kbps	2,048 kbps	1,536 kbps	1,024 kbps	512 kbps	256 kbps	128 kbps	64 kbps
VGA (640 x 480)	Low	30	30	30	25	22	10	5	2	1
	Normal	30	30	30	22	14	8	3	1	0.4
	Fine	27	22	19	13	9	4	1.5	0.5	0.2
QVGA (320 x 240)	Low	30	30	30	30	30	28	24	10	4
	Normal	30	30	30	29	28	24	12	4	1.5
	Fine	30	28	28	28	27	12	5	2	0.5

(fps)

(above figures are approximate, actual figures may differ depending on the network under the conditions.)

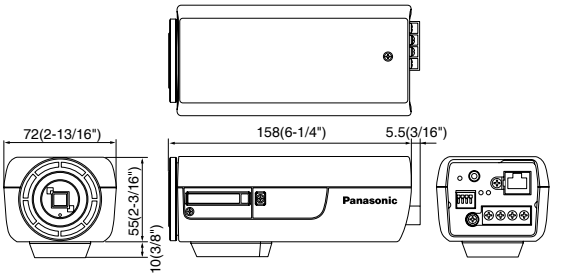
MAJOR OPERATING CONTROLS & TERMINALS



① Tripod Mount Base
② Flange-Back Adjusting Ring
③ ALC Lens Connector
④ Focus Adjusting Screw
⑤ Focus Adjusting Screw
⑥ Microphone
⑦ SD Memory Card Slot Cover

❶ Power Indicator (green)
❷ Link Indicator
❸ Monitor Out Connector
❹ Settings Data Reset Switch
❺ External I/O Terminal
❻ Ground Terminal
❼ Access Indicator
❽ Network Connector
❾ SD Memory Card Error Indicator (red)
❿ AC 24 V/DC 12 V Power Cable Terminal

APPEARANCE



Unit : mm (inches)

OPTIONAL COMPONENT

Network Disk Recorder
WJ-ND300

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.

• Microsoft, Windows and WindowsXP are registered trademarks of Microsoft Corporation.

• 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.

Panasonic

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