Panasonic
ideas for life

**Vandal Proof
Network Colour Dome Cameras**
(with Low-Light B/W Mode)

WV-NW470S Series

Panasonic
WV-NW474

Network Interface

Vandal Proof

Weather Proof

Day/Night Operation

The Perfect vandal proof camera solution ...

day/night

NETWORK CAMERA

SDII
Super Dynamic

A colour vandal proof camera designed for broadband networks.

The new WV-NW470S Series is the latest addition to Panasonic's full line of vandal proof cameras and can be connected directly to both digital and analogue networks. Connected to an Ethernet port, you can monitor its output or adjust settings from a networked PC. An analogue interface is also provided, allowing you to connect it to existing coaxial cable-based surveillance system. The ultra-tough, vandal proof body is loaded with features you want. Complete with a 2x variable-focal lens, Super Dynamic II technology, and automatic Day/Night switching for 24-hour monitoring. Plus, with its new networking capabilities, the WV-NW470S Series is just the solution you need for a variety of security applications.

Both an analogue video output and a digital Ethernet port are available.

Network Interface

NETWORK CAMERA

Panasonic
WV-NW474

Vandal Proof
Network Colour Dome Cameras
(with Low-Light B/W Mode)

WV-NW470S Series
For direct attachment to walls, ceilings, eaves

SDII day/night

FEATURE LOADED

Built-in network interface (10Base-T/100Base-TX)

Can be connected to an Ethernet network (10Base-T/100Base-TX) for remote monitoring by PC. (Internet interface protocol; TCP/IP, HTTP, FTP, SMTP, DNS, DDNS, DHCP, NTP and BOOTP)

24-hour surveillance with Day/Night Switching

day/night

To allow 24-hour surveillance, this camera (in high-sensitivity mode) senses darkness and switches automatically from daytime colour, to nighttime black-and-white. A timer allows you to set the precise duration to meet any installation requirement. It can also be switched manually from colour to black-and-white.

Day

Night

Full colour images at 0.8 lux Black-and-white images at 0.1 lux

This camera supports full colour surveillance in low-light situations (see parking lot example above), and switching to black-and-white mode allows surveillance in light as low as 0.1 lux.

480 lines of horizontal resolution in colour mode, and 570 lines in B/W mode

Equipped with a powerful 753(H) x 582(V) 1/3-type CCD, this camera delivers crisp clear images with 480 lines of horizontal resolution (in colour), and 570 lines in B/W mode.
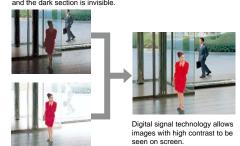
2x variable-focal lens is standard equipment

Equipped with a 2x variable-focal lens plus an additional 2x electronic zoom, this camera can view their subjects in greater details.

With Super Dynamic II, backlighting is no problem

SDII

With a 80 times dynamic range, Panasonic's proprietary Super Dynamic II processing yields clear images even in high-contrast or backlit lighting situations.

Set the lens aperture to the bright section, and the dark section is invisible.

Digital signal technology allows images with high contrast to be seen on screen.

Set the lens aperture to the dark section, and the bright section is invisible.

Digital Motion Detector senses movement and sends an alarm signal

When the Motion Detector senses movement in the monitored image, it automatically sends an alarm signal to the system; reducing the chance of missing key images.

(Turns white only in demo mode)

Character displays title

The monitor can display title up to 16 roman letters or numbers. By allowing instant identification of pre-set camera locations, this feature can help prevent errors during emergency situations.

ENTRANCE

(All of the above photographs were taken for the purpose of these explanations; actual images may be different.)

SIMPLE TO INSTALL

Proprietary 3-D hinge makes adjustments easy

The 3-dimensional hinge (Pan, Tilt and Azimuth) allows the camera to be rotated as well as moved horizontally and vertically. Digital signal processing allows the image itself to be shifted up, down, left, right, or inverted. Choose precisely the camera angle you need; no camera makes it easier.

160° 160° — Pan 320 degrees

75° 75° — Tilt 150 degrees

160° 160° — Azimuth 320 degrees

HEAVY DUTY CONSTRUCTION

Die-cast aluminum body : Shock Resistant

With a body made of die-cast aluminum and a dome made of 3.5mm thick polycarbonate, this camera is tough enough to resist severe shocks.
The camera lens unit is spring loaded, so the chassis can withstand external shocks.

IP66 approved : Rain and Wind Resistant

Meets IP66 International standards. With the cameras excellent dust and moisture resistance, it can be used outdoors, under building eaves.
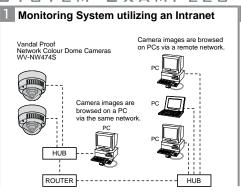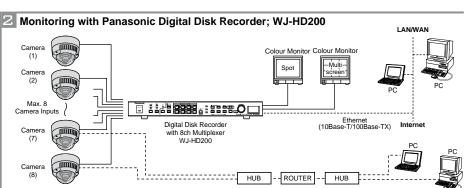
Heater unit; WV-CW3H (Optional) Ideal for Varying Temperatures

The optional Heater Unit adjusts automatically to temperature fluctuations, helping to prevent dew condensation.
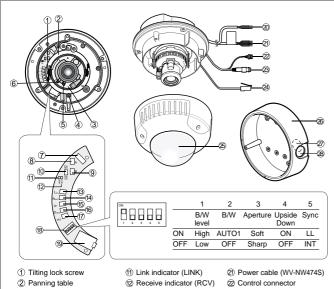

SYSTEM EXAMPLES

1 Monitoring System utilizing an Intranet

Vandal Proof
Network Colour Dome Cameras
WV-NW474S

Camera images are browsed on PCs via a remote network.

PC

Camera images are browsed on a PC via the same network.

PC

PC

HUB

ROUTER — HUB

2 Monitoring with Panasonic Digital Disk Recorder; WJ-HD200

LAN/WAN

Camera (1)

Camera (2)

Colour Monitor Colour Monitor

Spot Multi-screen

PC PC

Max. 8 Camera Inputs

Camera (7)

Digital Disk Recorder with 8ch Multiplexer WJ-HD200

Ethernet (10Base-T/100Base-TX) Internet

Camera (8)

PC PC

HUB — ROUTER — HUB

MAJOR OPERATING CONTROLS

	1	2	3	4	5
	B/W level	B/W	Aperture	Upside Down	Sync
ON	High	AUTO1	Soft	ON	LL
OFF	Low	OFF	Sharp	OFF	INT

① Tilting lock screw
② Panning table
③ Azimuth adjuster
④ Pan lock screw
⑤ Focus lock lever
⑥ Zoom lock lever
⑦ Optional heater connector
⑧ Reset button (A)
⑨ Reset button (B)
⑩ LED switch
⑪ Link indicator (LINK)
⑫ Receive indicator (RCV)
⑬ Left button (Left)
⑭ Right button (Right)
⑮ Up button (Up)
⑯ Down button (Down)
⑰ Set button (SET)
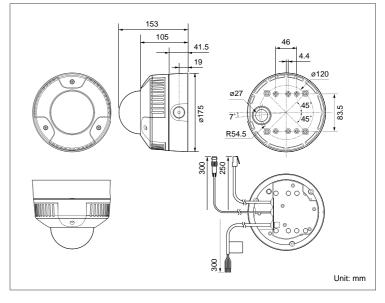⑱ DIP switch
⑲ Monitor output jack
⑳ Power cable (WV-NW470S)
㉑ Power cable (WV-NW474S)
㉒ Control connector
㉓ Video output connector
㉔ Network port
㉕ Dome cover
㉖ Camera mounting bracket
㉗ Cable access hole
㉘ Sideway cable exit

OPTIONAL COMPONENTS & ACCESSORIES

Heater Unit
WV-CW3H

Digital Disk Recorders
WJ-HD500B
WJ-HD200
PS·Data

Data Multiplex Unit
WJ-MP204C
PS·Data

MATRIX SYSTEMS
SYSTEM 850
SYSTEM 500
SYSTEM 150

System Controller
WV-CU360CJ
PS·Data

Colour Monitors
WV-CM2080 55cm CRT PS·Data
WV-CM1780 45cm CRT PS·Data
WV-CM1480 40cm CRT PS·Data
WV-CM1420 37cm CRT
WV-CM1020 25cm CRT

Network Server Software
WV-AS710

SPECIFICATIONS PAL CCIR

Model No.	WV-NW470S	WV-NW474S
Type	Surface mount type	
Pick Up Device	753 (H) x 582 (V) pixels, interline transfer CCD	
Scanning Area	4.8 (H) x 3.6 (V) mm, (Equivalent to 1/3" tube)	
Scanning	625 lines / 50 fields / 25 frames	
Scanning System	2 : 1 interlace	
Synchronization	Internal / VD2 (Multiplexed Vertical Drive)	
Video Output	VBS 1.0V [p-p] / 75 Ω / PAL composite signal / BNC connector	
H.Resolution	480 lines at colour imaging mode, 570 lines at B/W mode (at centre)	
Minimum Illumination (at F1.4 Wide)	0.8 lux at colour imaging mode	
	0.1 lux at B/W mode	
Signal to Noise Ratio	50dB (at AGC Off, Weight On, AP On)	

Network Section	Image Resolution	752 x 568, 752 x 280, 368 x 280 or 176 x 136 pixels	
	Image Process	JPEG (Super Fine/Fine/Normal/Low image quality selectable)	
	Image Refreshing Rate	Fast/Middle/Slow/Very Slow	
	Traffic Control	32 kbps, 64 kbps, 128 kbps, 256 kbps, 512 kbps, 1,024 kbps, Unlimited	
	Protocols Supported	TCP/IP, HTTP, FTP, SMTP, DNS, DDNS, DHCP, ARP, BOOTP, NTP	
	OS Applicable	Windows 98 SE, Windows NT WORKSTATION 4.0 Service Pack6a, Windows 2000 Professional Service Pack2, Windows ME, or Windows XP	
	Applicable Browsers	Internet Explorer 5.5, 5.5 SP2, 6.0, or Netscape Communicator 4.73, 4.78	
Functions	Camera Title	16 character display (alphabet, numeric, symbols)	
	Light Control	ALC / ELC	
	Super Dynamic II	On / Off	
	Electronic Shutter	Off, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.	
	AGC	On (DNR-H) / On (DNR-L) / Off	
	Electronic Sensitivity Up	Off, Auto (x2, x4, x6, x10), Fix (x2, x4, x6, x10, x16, x32)	
	White Balance	ATW 1 / ATW 2 / AWC	
	Motion Detector	On / Off	
Lens	Type	2x variable focal lens	
	Focal Length	3.8 ~ 8.0 mm	
	Aperture Ratio	F1.4 (Wide) to F176, close / F1.8 (Tele) to F176, close	
	Min. Object Distance	1.2 m ~ ∞	
Power Source		220V ~ 240V AC, 50Hz	24V AC, 50Hz
Power Consumption		8.6W (12.1W optional heater unit; WV-CW3H only)	9.9W (18.9W with optional heater unit; WV-CW3H)
Ambient Operating Temperature		−10°C ~ +50°C (14°F ~ 122°F)	
		−30°C ~ +50°C with optional Heater Unit (WV-CW3H)	
Ambient Operating Humidity		Less than 90%	
Dimensions (D) x (H)		ø175 x 153 mm	
Weight (approx.)		2.3 kg	

APPEARANCE

Unit: mm

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• 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.

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