

**Panasonic**  
ideas for life

Vandal Proof  
Network Color Dome Camera  
(with Low-Light B/W Mode)

**WV-NW474S**



Network Interface

Vandal Proof

Weather Proof

Day/Night Operation

The Perfect vandal proof camera solution ...



**NETWORK  
CAMERA**

**READY  
TUFF**

**SDII**<sup>TM</sup>  
Super Dynamic



# A color vandal proof camera designed for broadband networks.

The new WV-NW474S is the latest addition to Panasonic's full line of vandal proof cameras and can be connected directly to both digital and analog networks. Connected to an Ethernet port, you can monitor its output or adjust settings from a networked PC. An analog 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-NW474S is just the solution you need for a variety of security applications.



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

## Network Interface



Vandal Proof  
Network Color Dome Camera  
(with Low-Light B/W Mode)

## WV-NW474S

For direct attachment to walls, ceilings, eaves



## FEATURE LOADED

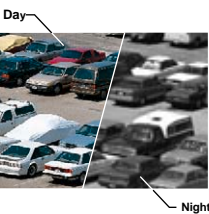
### Built-in network interface (10Base-T/100Base-TX)

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

To allow 24-hour surveillance, this camera (in high-sensitivity mode) senses darkness and switches automatically from daytime color, 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 color to black-and-white.



### Full color images at 0.8 lux (0.08 fc) Black-and-white images at 0.1 lux (0.01 fc)

This camera supports full color 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 (0.01 fc) with optional clear dome cover; WV-CW2C.

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

Equipped with a powerful 768(H) x 494(V) 1/3-type CCD, this camera delivers crisp clear images with 480 lines of horizontal resolution (in color), 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, these cameras can view their subjects in greater details.

### With Super Dynamic II, backlighting is no problem



With a 64 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.

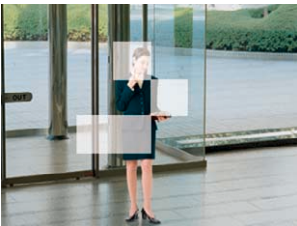


Digital signal technology allows images with high contrast to be seen on screen.

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.

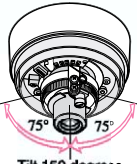
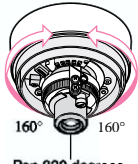


( All of the above photographs were taken for the purpose of these explanations; actual images may be different. )

## 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.



Pan 320 degrees

Tilt 150 degrees

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.



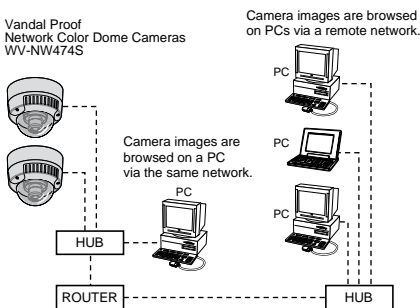
### Heater unit; WV-CW3H (Optional) Ideal for Varying Temperatures

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

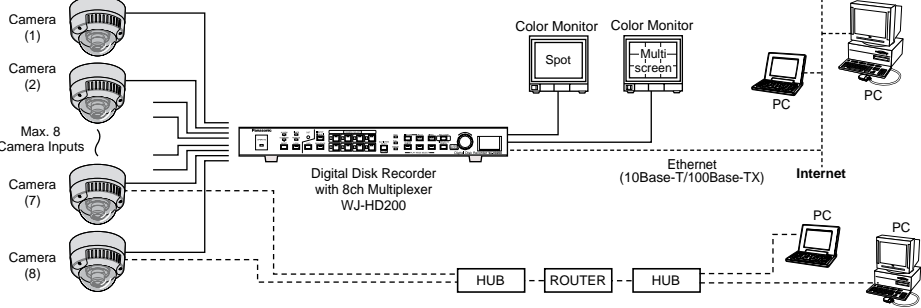


## SYSTEM EXAMPLES

### 1 Monitoring System utilizing an Intranet

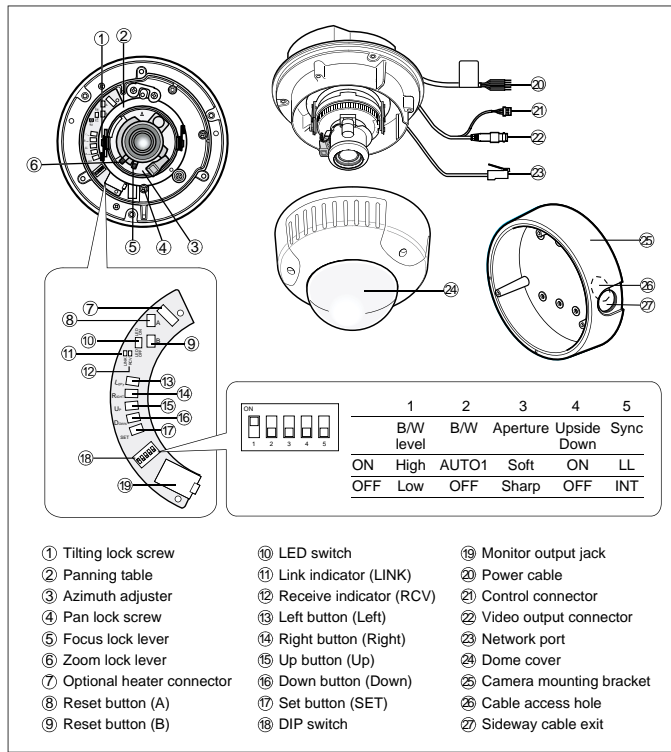


### 2 Monitoring with Panasonic Digital Disk Recorder; WJ-HD200





## MAJOR OPERATING CONTROLS



## OPTIONAL COMPONENTS & ACCESSORIES

<b>Heater Unit WV-CW3H</b> 	<b>Clear Dome Cover WV-CW2C</b> 
<b>Data Multiplex Unit WJ-MP204C</b> 	<b>System Controller WV-CU360C</b> 
<b>Digital Video Duplex Color Multiplexers WJ-FS409 (9ch) WJ-FS416 (16ch)</b> 	<b>MATRIX SYSTEMS SYSTEM 850 SYSTEM 500 SYSTEM 150</b> 
<b>Digital Disk Recorder with 8ch Multiplexer WJ-HD200</b> 	
<b>Color Monitors WV-CM2080 51cm (20") WV-CM1780 41cm (16") WV-CM1480 36cm (14") WV-CM1420 34cm (13") WV-CM1020 22cm (9")</b> 	<b>Network Server Software WV-AS710</b> 

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# Panasonic

**Panasonic Digital Communications & Security Company**  
Unit of Matsushita Electric Corporation of America

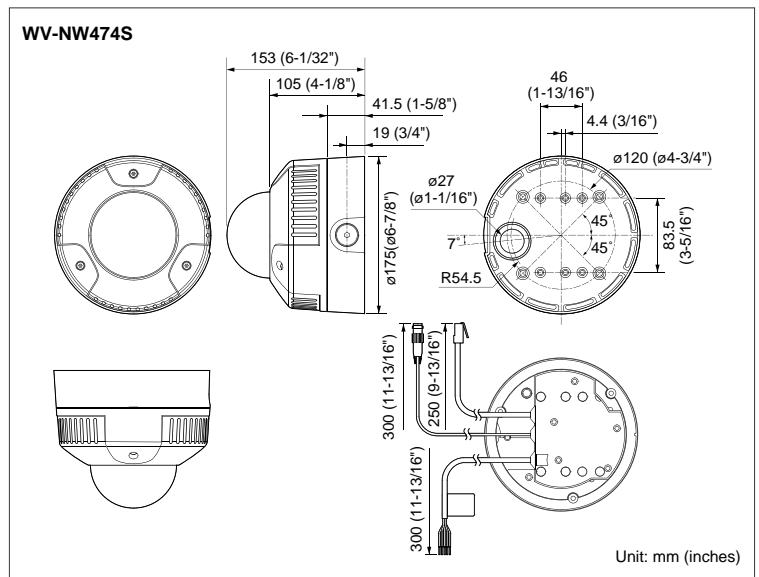
**Security Systems Group**  
<http://www.panasonic.com/cctv>

**Executive Office** : Three Panasonic Way 2H-2, Secaucus, New Jersey 07094  
**Zone Office**  
**Eastern** : Three Panasonic Way, Secaucus, New Jersey 07094 (201) 348-7303  
**Central** : 1707 N.Randal Road, Elgin, IL 60123 (847) 468-5205  
**Western** : 6550 Katella Ave., Cypress, CA 90630 (714) 373-7840

## SPECIFICATIONS

<b>Model No.</b>	<b>WV-NW474S</b>
<b>Type</b>	Surface mount type
<b>Pick Up Device</b>	768 (H) x 494 (V) pixels, interline transfer CCD
<b>Scanning Area</b>	4.8 (H) x 3.6 (V) mm, (Equivalent to 1/3" tube)
<b>Scanning</b>	525 lines / 60 fields / 30 frames
<b>Scanning System</b>	2 : 1 interlace
<b>Synchronization</b>	Internal / Line-Lock / VD2
<b>Video Output</b>	VBS 1.0V [p-p] / 75 Ω / NTSC composite signal / BNC connector
<b>Resolution</b>	Horizontal Vertical 480 lines at color imaging mode, 570 lines at B/W mode (at center) more than 350 lines (at center)
<b>Minimum Illumination (at F1.4 Wide)</b>	2.0 lux (0.2 fc) at color imaging, 0.2 lux (0.02 fc) at B/W mode 0.8 lux (0.08 fc) at color imaging and 0.1 lux (0.01 fc) at B/W mode with optional clear dome cover (WV-CW2C)
<b>Signal to Noise Ratio</b>	50dB (at AGC Off, Weight On, AP On)
<b>Network Section</b>	Image Resolution Image Process Image Refreshing Rate Traffic Control Protocols Supported OS Applicable Applicable Browsers 640 x 480, 640 x 240, 320 x 240, 160 x 120 pixel JPEG (Super Fine/Fine/Normal/Low image quality selectable) Fast/Middle/Slow/Very Slow 32 kbps, 64 kbps, 128 kbps, 256 kbps, 512 kbps, 1,024 kbps, Unlimited TCP/IP, HTTP, FTP, SMTP, DNS, DDNS, DHCP, ARP, BOOTP, NTP Windows 98 SE, Windows NT WORKSTATION 4.0 Service Pack6a, Windows 2000 Professional Service Pack2, Windows ME, or Windows XP Internet Explorer 5.5, 5.5 SP2, 6.0, or Netscape Communicator 4.73, 4.78
<b>Functions</b>	Camera Title Light Control Super Dynamic II Electronic Shutter AGC Electronic Sensitivity Up White Balance Motion Detector 16 character display (alphabet, numeric, symbols) ALC / ELC On / Off Off, 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec. On (DNR-H) / On (DNR-L) / Off Off, Auto (x2, x4, x6, x10), Fix (x2, x4, x6, x10, x16, x32) ATW 1 / ATW 2 / AWC On / Off
<b>Lens</b>	Type Focal Length Aperture Ratio Min. Object Distance 2x variable focal lens 3.8 ~ 8.0 mm F1.4 (Wide) to F176, close / F1.8 (Tele) to F176, close 1.2 m (3.9 ft) ~ ∞
<b>Power Source</b>	24V AC, 60Hz
<b>Power Consumption</b>	8.6W (12.1W optional heater unit; WV-CW3H only)
<b>Ambient Operating Temperature</b>	-10°C ~ +50°C (14°F ~ 122°F) [-30°C ~ +50°C (-22°F ~ 122°F) with optional Heater Unit (WV-CW3H)]
<b>Ambient Operating Humidity</b>	Less than 90%
<b>Dimensions (D) x (H)</b>	ø175 x 153 mm (ø6-7/8" x 6-1/32")
<b>Weight (approx.)</b>	2.2 kg (4.84 lbs.)

## APPEARANCE



DISTRIBUTED BY:

**PANASONIC CANADA INC.**  
5770 Ambler Drive, Mississauga, Ontario, L4W 2T3 Canada (905) 624-5010  
**PANASONIC SALES COMPANY**  
**DIVISION OF MATSUSHITA ELECTRIC OF PUERTO RICO, INC.**  
San Gabriel Industrial Park 65th Infantry Ave. KM. 9.5 Carolina, P.R. 00985 (809) 750-4300

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