



Lens : optional

BROADBAND CAPABLE: ONE NETWORK CAMERA FOR 24-HOUR SURVEILLANCE

New from Panasonic, the WV-NP472 directly connects to either digital or analog devices. Simply set an IP address and connect it to an **Ethernet terminal** for monitoring and control from a personal computer. Or use the analog video out to connect to conventional monitoring systems using coaxial cable.



The WV-NP472 camera utilizes Panasonic's **Super Dynamic II** function to capture natural images at entryways, near windows, and in other locations with harsh contrasts between light and dark. It automatically stores images in repose to inputs from motion detectors and external sensor alarms and can send images automatically as e-mail attachments. In addition, this color camera can also control external devices, turning on lighting or starting a surveillance recorder working. It operates with only 0.8 lux (0.08 fc) of available light in color mode and a mere 0.1 lux (0.01 fc) in black and white. Its **Day/Night switching** function automatically switches to black-and-white recording when available light is low. Thus, this single security camera can deliver 24-hour surveillance.

The WV-NP472 is designed for monitoring over a WAN or over the Internet a snap. Its sophisticated surveillance functions make this the network security camera of choice for a wide range of settings, including banks, office buildings, and franchise outlets.

KEY FEATURES

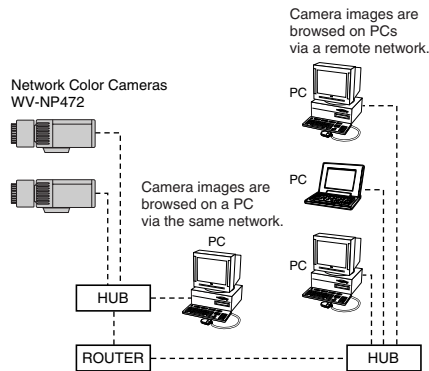
- 1/3-type double speed CCD color image sensor.
- Built-in network interface (10Base-T/100Base-TX) for remote monitoring by PC.
- Interface protocol ; TCP/IP, HTTP, FTP, SMTP, DNS and DHCP.
- Switches from selected color mode to B/W mode automatically or manually, for 24-hour monitoring.
- Built-in **Super Dynamic II** function has 64 times wider dynamic range when compared to a conventional camera.
- High sensitivity of,
 - 0.8 lux (0.08 fc) in color, 0.1 lux (0.01 fc) in B/W mode, at F1.4 optional lens
 - 0.6 lux (0.06 fc) in color, 0.75 lux (0.075 fc) in B/W mode, at F1.2 optional lens
- 480-line in color mode, and 570-line in B/W mode horizontal resolution.
- Built-in Alarm function for external security devices, and FTP alarm activation.
- Built-in digital motion detector.
- Built-in 16 alphanumeric character display.
- Electronic sensitivity enhancement (Auto; up to 10x, Manual; up to 32x, and Off)
- Digital signal processing LSI's for high quality pictures.
 - 2H vertical enhancement for greater picture sharpness.
 - Chroma averaging circuit for better color signal-to-noise ratio.
 - Minimum of aliasing on fine objects.
 - Expanded dynamic range by knee circuit.
 - Highlight aperture correction for greater picture details of bright objects.
- VD2 sync capability with Panasonic system products.
- DC 12V power supply for easy installation.

WIDE VARIETY OF OPTIONAL LENSES

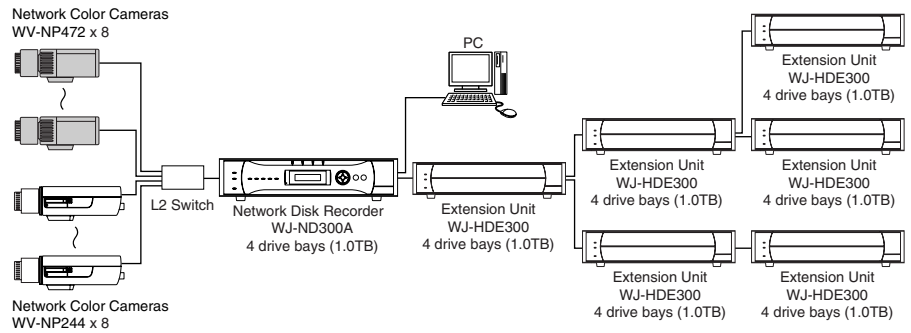


SYSTEM EXAMPLES

1 Monitoring System utilizing an Intranet



2 High-Capacity System with 7TB of Storage



SPECIFICATIONS

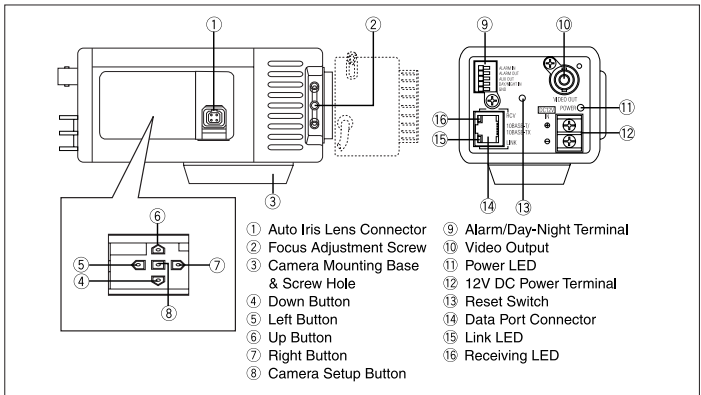
| Camera Function | |
|-------------------------------|--|
| Pick-up Device | 1/3-type interline transfer CCD image sensor |
| Effective Pixels | 771 (H) x 492 (V) pixels |
| Synchronization | Internal or Multiplexed Vertical Drive (VD2) sync |
| H. Resolution | 480-line at color mode, 570-line at B/W mode |
| Min. Illumination | 0.8 lux (0.08 fc) in color, 0.1 lux (0.01 fc) in B/W mode, at F1.4 optional lens 0.6 lux (0.06 fc) in color, 0.75 lux (0.075 fc) in B/W mode, at F1.2 optional lens |
| S/N Ratio | 50dB (at AGC off) |
| D. Range | 46dB (typical) |
| Lens Mount | CS-Mount |
| Super Dynamic II | On/Off Selectable |
| Electronic Sensitivity Up | Fix: 32x (max.), Auto: 10x (max.) |
| Motion Detector | On/Off Selectable |
| Color/B/W Select | On/Off/Auto Selectable |
| Network Function | |
| Image Compression Type | JPEG / MJPEG |
| Image Size | VGA (640 x 480), HVGA (640 x 240), QVGA (320 x 240) and QQVGA (160 x 120) |
| Protocol | TCP/IP, HTTP, FTP, SMTP, DNS and DHCP |
| Alarm Activation | Alarm input, Motion detector |
| Alarm Notice | Alarm output / Mail by E-mail |
| Alarm Log | Maximum 100 |
| Alarm Recording | Multi-shot |
| Interface | 10Base-T/100Base-TX (RJ-45 x 1) |
| General | |
| Video Output | VBS1.0V[p-p]/75Ω, Composite signal |
| Parallel Port | Alarm input x 1, Alarm output x 1, Aux output x 1, BW/color select |
| Power Supply | DC12V |
| Power Consumption | 700mA |
| Ambient Operating Temperature | -10°C ~ +50°C (14°F ~ 122°F) |
| Dimensions | 67 (W) x 65 (H) x 118 (D) mm [2-5/8" x 2-9/16" x 4-5/8"] |
| Weight (approx.) | 510 g (1.12 lbs.) |

Frame Rate Chart

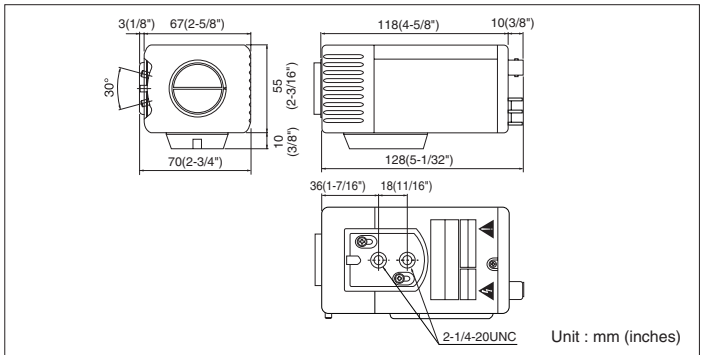
| Image Resolution | Mode | Super Fine (1/6) | | | Fine (1/8) | | | Normal (1/10) | | | Extended (1/12) | | |
|-------------------|-------|------------------|----|-----|------------|----|-----|---------------|----|-----|-----------------|----|-----|
| | | Mbps | kB | ips | Mbps | kB | ips | Mbps | kB | ips | Mbps | kB | ips |
| 640 x 480 (frame) | JPEG | 4.9 | 76 | 8 | 4.2 | 53 | 10 | 3.9 | 44 | 11 | 3.8 | 40 | 12 |
| | MJPEG | 5.5 | 76 | 9 | 5.5 | 53 | 13 | 5.3 | 44 | 15 | 4.8 | 40 | 15 |
| 640 x 240 (field) | JPEG | 2.9 | 36 | 10 | 2.7 | 28 | 12 | 2.2 | 23 | 12 | 2.3 | 22 | 13 |
| | MJPEG | 5.5 | 36 | 19 | 5.9 | 28 | 26 | 5.5 | 23 | 30 | 5.3 | 22 | 30 |
| 320 x 240 (field) | JPEG | 2.6 | 19 | 17 | 2.6 | 15 | 22 | 2.3 | 13 | 22 | 2.1 | 12 | 22 |
| | MJPEG | 4.6 | 19 | 30 | 3.6 | 15 | 30 | 3.1 | 13 | 30 | 2.9 | 12 | 30 |
| 160 x 120 (field) | JPEG | 2.8 | 16 | 22 | 2.3 | 13 | 22 | 2.1 | 12 | 22 | 1.8 | 10 | 22 |
| | MJPEG | 3.8 | 16 | 30 | 3.1 | 13 | 30 | 2.9 | 12 | 30 | 2.4 | 10 | 30 |

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

MAJOR OPERATING CONTROLS



APPEARANCE



OPTIONAL COMPONENT

Network Disk Recorder
WJ-ND300A



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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.

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