



Simple and easy! H.264 Real-time recording solution for small-scale applications

Key Features

- 8 Composite Video Input Connectors
- H.264 Codec
- Multiple Monitor Connectors: 1 VGA, 1 Spot
- Multiple Search Engines
(Date/Time, Calendar, Record Table, Event)
- Real-time Recording
(200 Images per Second with Very High (D1) Resolution)
- Continues Recording while Transmitting to Remote Site and during Playback
- User-friendly Graphical User Interface (GUI) Menu System
- Multiple Recording Modes
(Time-lapse, Pre-event, Alarm, Motion and Panic)
- 4-Channel Audio Recording and 1-Channel Audio Playback
- Live or Recorded Video Access via Ethernet

- Self-diagnostics with automatic notification including hard disk drive S.M.A.R.T. protocol

Standard Accessories

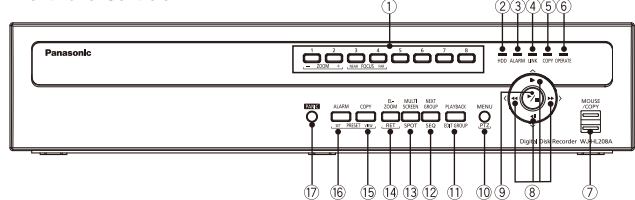
| | |
|---|-------|
| Operating Instructions | 1pc. |
| Power Cord | 1pc. |
| Assembly Screws for Adding Hard Disk Drives | |
| Serial ATA Cable | 2pcs. |
| HDD Fixing Screw | 8pcs. |
| CD-ROM..... | 1pc. |

Specifications

| | | | |
|------------------------|--|---|--|
| VIDEO | Signal Format | PAL | |
| | Video Input | Composite: 8 looping inputs, 1 V [p-p], auto-terminating, 75Ω | |
| | Monitor Outputs | VGA: 1 SPOT: 1 BNC, 1 V [p-p], 75Ω | |
| | Video Resolution | VGA: 1920x1080 (50Hz), 1440x900 (60Hz), 1280x1024 (60Hz) Composite (SPOT): 720x576 (PAL) | |
| | Record Speed (images per second) | Real-time: 200 ips (PAL) @ D1 | |
| | Playback Speed (images per second) | Full Duplex: 200 ips (PAL) @ CIF / Half D1 / D1 | |
| INPUTS/ OUTPUTS | Alarm Input | 8 terminal, programmable as NC or NO, 2.4 V (NC) or 0.3 V (NO) threshold, 5 V DC | |
| | Alarm Output | 2 relay output, programmable as NC or NO, 2 A@125 V AC, 1 A@30 V DC | |
| | Alarm Reset Input | 1 TTL, terminal block | |
| | Internal Buzzer | 80 dB at 10 cm (3-15/16 inches) | |
| | Network Connectivity | 10/100 Mbps, 1 Gbps Ethernet (RJ-45) | |
| | Audio Input | RCA Input: 4 Line In | |
| CONNECTORS | Video Output | Composite: 8 BNC (Auto Terminating) | |
| | Monitor Output | VGA: 1 SPOT (Composite): 1 BNC | |
| | Audio In | 4 RCA connector | |
| | Audio Out | 1 RCA connector | |
| | Alarm Input/Output | Terminal Blocks | |
| | Ethernet Port | RJ-45 | |
| | RS232 Serial Port | Two-connector terminal block | |
| | RS485 Serial Port | Two-connector terminal block | |
| | USB Port | 2 (USB 2.0) | |
| | HDD (Locally procured – Contact your dealer about purchasing hard disk drives.) | | |
| | Hard disk drive | 3.5 type SATA hard disk drive (up to 3) | |
| Capacity | 1x 2TB HDD pre-installed | | |
| GENERAL | Dimensions | 430 mm (W) x 88 mm (H) x 403 mm (D) {16-15/16 inches(W) x 3-15/32 inches(H) x 15-18/32 inches(D) } | |
| | Unit Weight | 4.9 kg (10.80 lbs.) | |
| | Operating Temperature | 5 °C to 40 °C (41 F° to 104 F°) | |
| | Operating Humidity | 0 % to 90 % | |
| | Power Voltage | 100 V AC to 240 V AC, 1.2 A to 0.6 A, 50 Hz/60 Hz | |
| | Power Current | 1.2 A to 0.6 A | |

Part Names and Functions

Front Panel Controls



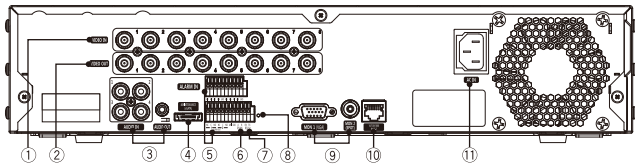
- | | | |
|---------------------|-------------------------------|-------------------------------|
| ① Camera Buttons | ⑦ Mouse/Copy Port | ⑫ Next Group/ Sequence Button |
| ② HDD Indicator | ⑧ Arrow Buttons | ⑬ Multiscreen/Spot Button |
| ③ Alarm Indicator | ⑨ Play/Pause Button | ⑭ EL-Zoom/Return Button |
| ④ Link Indicator | ⑩ Menu/PTZ Button | ⑮ Copy/Preset View Butto |
| ⑤ Copy Indicator | ⑪ Playback/ Edit Group Button | ⑯ Alarm/Preset Set Button |
| ⑥ Operate Indicator | | ⑰ Panic Button |

The front panel looks and operates much like a VCR combined with a multiplexer. Many of the buttons have multiple functions. The following describes each button and control. Take a few minutes to review the descriptions. You will use these to initially set up your recorder and for daily operations.

Note: You can also use a USB mouse (not supplied) to navigate through the screens and menus much like you would on a computer.

Required Installation Tools

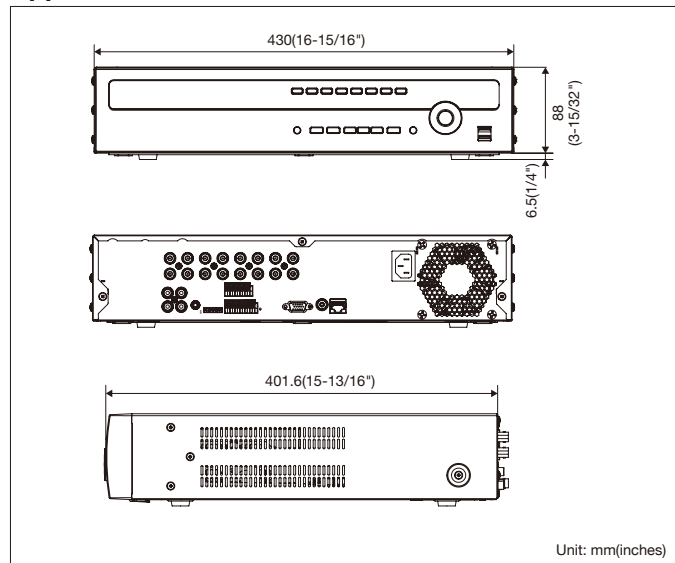
No special tools are required to install the recorder. Refer to the installation manuals for the other items that make up part of your system.



- | | | |
|---------------------------------|--------------------------------|----------------------------|
| ① Video Input Connector | ⑤ Alarm Input/ Output Terminal | ⑨ Monitor Output Connector |
| ② Video Output Connector | ⑥ RS485 Terminal | ⑩ Network Port |
| ③ Audio Input/ Output Connector | ⑦ RS232 Terminal | ⑪ Power Inlet |
| ④ Maintenance (eSATA) Port | ⑧ Factory Reset Switch | |

Your recorder can be used with PAL equipment.

Appearance



Warning

- This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Important

- Safety Precaution: Carefully read the operating instructions and installation manual before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

- 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 PAL models.

DISTRIBUTED BY:

Panasonic

<http://panasonic.net/security/>

<http://www.facebook.com/PanasonicNetworkCamera>

Printed in Japan (2A-106A)