



Video Decoder built-in 32ch*1 Network Disk Recorder

Key Features

- H.264 and JPEG multi format
- 16 network cameras can be connected and recorded as default. Up to 32*1 network cameras can be connected and recorded.
- Quick setup by automatic camera detection and simple setup wizard without the use of PC
- "Referenced recording days" is automatically calculated by frame rate, image quality and HDD capacity.
- Simple mouse operation by new GUI without the use of PC
- Quick intuitive search with calendar and timeline
- Live images from up to 32*1 cameras can be displayed simultaneously.
- Supports the Full HD and 4K*2 output (HDMI) that can display recorded images and live images in high definition
- Various alarm sources include 9x Terminal inputs, 32x Camera alarm, Panasonic Alarm Protocol.
Flexible alarm actions include Alarm recording, E-mail notification, Alarm message, Camera positioning, Terminal output, Panasonic alarm protocol output, Buzzer and Indicator.
- Camera Control : Pan/Tilt, Zoom, Focus, Brightness, Preset Position, Auto mode (depending on camera model)
- Audio from the i-PRO network cameras can be recorded and played back, G.726 (ADPCM) 32 kbps.
- Flexible Playback Controls : Go to Date (Jump to specific time/date), Go to Last (Jump to 30 s before the record end)
- Various Display Modes : Spot, Multiscreen (4 / 16 split screen display, 4 / 6 / 9 / 12 / 16 / 24 / 32*1 split screen display on a full screen), Sequence (1 screen, 4 / 9 split screen display on a full screen)
- Various Recording Modes : Schedule, Event (Pre/Post)
- Filtered Search : Time & Date, Event Type, Camera number, Timeline
- Recorded images can be downloaded to a PC.
- Downloadable viewer software allows playback of images downloaded from the Recorder.
- Equipped with a SD memory card slot and port for USB storage. It realizes a simple local copy.
- Built-in network interface (10Base-T / 100Base-TX / 1000Base-T) for recording and client access
- Up to 8 clients can monitor image and control WJ-NV300 simultaneously.
- Up to 2 HDDs can be installed. (8.89 cm (3.5 inch) Serial ATA HDD)

- HDD capacity is expandable up to 20 HDD slots (2 HDD slots in the main unit and 2 optional WJ-HDE400 Hard Disk Extension Units each with 9 HDD slots).
- RAID5/6 redundant recording for data security (with WJ-HDE400)
- User authentication, 3 user levels and User level - Camera partitioning setup for user management of up to 16 user registrations
- Multi-recorder, Multi-site system can be made with optional WV-ASM200 i-PRO Management Software.
- Supports 360-degree network microphone (WV-SMR10)
- ONVIF client, conformance to ONVIF Profile S.

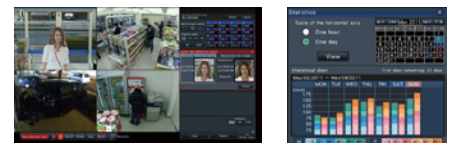
*1 Two Additional Camera Kits WJ-NVE30 are necessary.

*2 Only when full screen display on main monitor

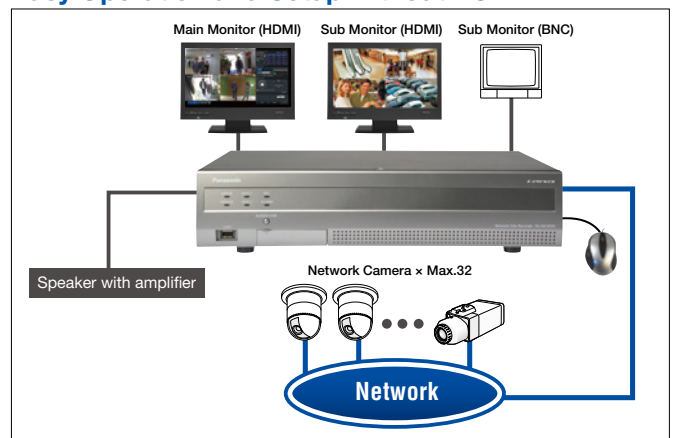
Additional Kit

Additional Camera Kit
WJ-NVE30

Additional Business Intelligence Kit
WJ-NVF30



Easy Operation and Setup without PC



Specifications

| TV System | | NTSC | |
|------------------------------|---|---|---|
| Supported Cameras | Compatible vendor | Panasonic i-PRO series Network cameras, ONVIF NVT conformant camera and encoder | |
| | Supported Image Format | H.264, MJPEG | |
| | Supported Image Resolution (Depending on the camera) | Aspect ratio [4 : 3] 2,560 x 1,920, 2,048 x 1,536, 1,280 x 960, 800 x 600, 640 x 480, 320 x 240 Aspect ratio [16 : 9] 3,840 x 2,160, 2,560 x 1,440, 1,920 x 1,080, 1,280 x 720, 640 x 360, 320 x 180 Aspect ratio [1 : 1] 2,992 x 2,992, 2,816 x 2,816, 2,048 x 2,048, 1,280 x 1,280 | |
| | Supported Audio Format | G.726 (ADPCM) 32 kbps | |
| Maximum Number of Cameras | MAX. 32 ¹ (Default number of cameras : 16) | | |
| Recording | Recording Mode | Event, Schedule | |
| | Pre-alarm Recording | Up to 15 seconds (Up to 10 seconds at 1,920 x 1080 resolution and up to 5 seconds at QXGA) | |
| | Scheduled Recording Mode | 4 programs, 3 time zones/day, Independent setup for each day of the week | |
| Main Unit Functions | Frame Rate/Camera | Up to 60 ips (Depending on the camera) | |
| | Camera Control | Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mode, Click centering, Wheel zoom, Zoom reset, Auto Back Focus | |
| | Multiscreen Mode | Main Monitor 4/16 split screen display, 1 screen sequence / 4 split screen sequence / 9 split screen sequence and 4 / 6 / 9 / 12 / 16 / 24 / 32* split screen display on a full screen (*24-/32-multiscreen is available when sub monitor isn't on.) Sub Monitor 1 screen sequence / 4 split screen sequence / 9 split screen sequence / 16 split screen display | |
| | Playback Control | PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record, Prev Image, Next Image, Go to Date, Go to Last (30 s) | |
| | Search Mode | Search criteria : Time date, Playback by designating a timeline, VMD | |
| | Copy | Recorded data of selected cameras and time date range can be copied to the SD (SDHC) card and USB storage. | |
| | Camera Title | Up to 14 characters | |
| | Clock Display | Time : 12H/24H, Date : 5 formats | |
| | Digital Zoom | Live : 2x, 4x, 8x (only for 1-screen or 4-screen) , 1.25x, 1.50x, 1.75x, 2x, 2.5x, 3x, 3.5x, 4x, 5x, 6x, 7x 8x (only for 1-screen on a full screen) Play : 2x, 4x, 8x | |
| | System Log | Operator access (100), Network error (100), Error (1,000), Event (750) | |
| | System Setup | Setup page in English, French, Italian, Spanish, German, Russian, Portuguese, Japanese, Thai | |
| | 360 Camera Dewarp re-encoding | Only 1ch display mode. 1Client | |
| | Real Time Face Matching ² | Camera 2ch, 100 registered face images | |
| | Browser GUI | Camera Control | Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mode, Click centering, Wheel zoom, Zoom reset |
| | | Playback Control | REC, PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record, Prev Image, Next Image, Go to Date, Go to Last (30 s) |
| | | Search Mode | Search criteria : Time date, Event type, VMD, Camera number |
| | | Display Mode | 1 / 4 screen |
| Image Download | | Recorded data of selected camera and time range can be downloaded to a PC. Viewer software can be downloaded separately. | |
| SD Memory Data Download Copy | | N/A Recorded data of selected cameras and time date range can be copied to the SD (SDHC) card. | |
| Camera Title | | Up to 14 characters | |
| Clock Display | | On the browser. Time : 12H/24H, Date : 5 formats | |
| Alarm Control | | Reset | |
| Digital Zoom | | Live/Play : 2x, 4x (only for 1-screen) | |
| System Log | | Operator access (100), Network error (100), Error (1,000), Event (750) | |
| GUI Language | | English, French, Italian, Spanish, German, Russian, Portuguese, Japanese, Thai | |
| Supported OS | | Microsoft® Windows® 8.1 Microsoft® Windows® 7 Microsoft® Windows Vista® | |
| Supported Browser | | Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 10 (32 bit) Windows® Internet Explorer® 9 (32 bit) Windows® Internet Explorer® 8 (32 bit) Windows® Internet Explorer® 7 (32 bit) | |
| Required PC | | CPU : Intel® Core™ i7-920 or faster ³ , RAM : 3 GB or more, VRAM : 128 MB or more (Min. 64 MB), Microsoft® DirectX® 9.0c or later | |
| Alarm/Event | | Alarm Source | 9x Terminal inputs, 32x Camera alarms (Panasonic Alarm Protocol), 128x Command alarms |
| | | Event Mode | Off / On |
| | Alarm Action | Alarm recording, e-mail notification, Alarm message, Camera positioning, Terminal output, Panasonic alarm protocol output, Buzzer, Indicator | |
| | Alarm Control | Reset | |
| | Event log | 750 | |
| Input / Output | Spot Output Connector | 1x 1 V [p-p] / 75 Ω (BNC) | |
| | Monitor (HDMI) Connector | 2x HDMI 1920 x 1080p /60Hz, 1920 x 1080p /50Hz, 1920 x 1080i /60Hz, 1920 x 1080i /50Hz, 720 x 576p /50Hz, 720 x 480p /60Hz, 3840 x 2160p /30Hz, 3840 x 2160p /25Hz (only for main monitor on a full screen *Sub-monitor is not available in this case) | |
| | Audio Output Connector | 1x -10 dBv, 600 Ω, Unbalanced (RCA) | |
| | Alarm / Control Connector / D-sub 25pin | Alarm input 1 - 9 ⁴ , Alarm output ⁵ , Alarm reset input ⁴ Time adjustment input ⁴ , +5 V output ⁶ | |
| | Error / Warning | Network error output ⁵ , HDD error output ⁵ , Camera error output ⁵ , Recorder error output ⁵ , Recording error output ⁵ | |
| | Mouse Connection Port | 1x | |
| | Network Port | 2x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45) | |
| | USB Storage | USB 2.0 memory, USB 2.0 connected HDD (except bus powered device) | |
| | SDHC/SD Memory Card Slot | SDHC/SD memory cards applicable (miniSD cards and microSD cards not applicable) | |
| | External Storage | 2x HDE400 | |

| TV System | | NTSC |
|-------------------------------|--|--|
| Network | Network Interface | 2x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45) |
| | Maximum Recording Rate | 128 Mbps or less |
| | Maximum Band Width | Total 160 Mbps or less |
| | Supported Protocol | TCP/IP, UDP/IP, HTTP, FTP, SMTP, DNS, NTP, SNMP, RTP |
| | E-mail | Upon Alarm or Warning |
| | FTP Client | 2 |
| | No. of Simultaneous Users | 8 or less |
| | User Registration | Up to 16 users |
| | User Level | 3 Levels (Programmable) |
| | Partitioning | User level - Camera (View & Control, No Access) |
| Other Functions | Security Method | User authentication (ID and Password), Alteration detection |
| | Time Synchronization | Terminal (Slave), NTP (Server/Client) |
| Viewer Software | Summer Time | User definable (using menu setup) |
| | Remote Monitoring on Smartphone/Tablet | 1Client *Panasonic Security Viewer v.2.1 or later is required on smartphone/tablet PC. |
| | Additional Functions | Alteration detection, Save as JPEG, Two times zoom, Print, Copy |
| General Specifications | Supported OS, Language | Language of the software will be English |
| | Safety / EMC Standard | UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) |
| | Power Source | 120 V AC, 60 Hz |
| | Power Consumption | approx. 55 W (with 4 TB HDDx2) |
| | Ambient Operating Temperature | Main body : +5 °C to +45 °C (41 °F to 113 °F) Mouse (provided) : +5 °C to +40 °C (41 °F to 104 °F) |
| | Ambient Operating Humidity | 5 % to 90 % (without condensation) |
| | Maximum Operating Altitude | 2,000 m (6,562 feet) above sea level |
| | Dimensions | 420 mm (W) x 88 mm (H) x 300 mm (D) (16-17/32" (W) x 3-15/32" (H) x 11-13/16" (D)) (excluding rubber feet and projections) |
| | Mass (approx.) | 5.3 kg (11.70 lbs.) without HDD 6.0 kg (13.25 lbs.) with 1 HDD 6.7 kg (14.79 lbs.) with 2 HDDs |

*1 Two Additional Camera Kits WJ-NVE30 are necessary.

*2 WJ-NVF30 is necessary.

*3 Recommend CPU : Intel® Core™ i7 4770 or faster when 2,560 x 1,920 or more resolution is selected.

*4 Non-voltage make contact input, 50 kΩ +5 V DC pull-up

*5 Open collector output, 24 V DC, 100 mA max.

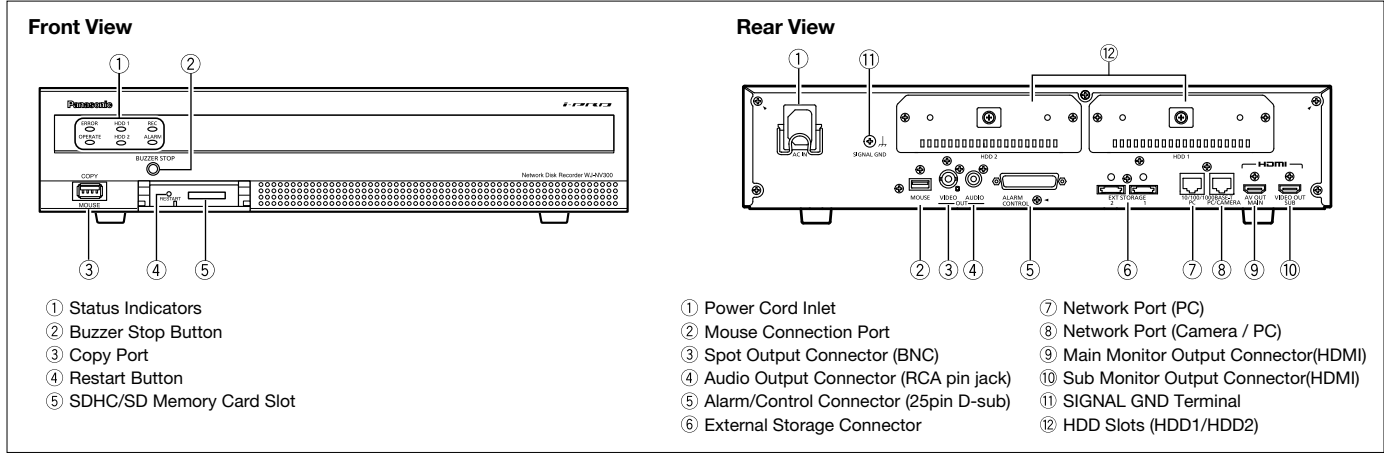
*6 200 mA max.

*7 Please check the following URL for the latest information.

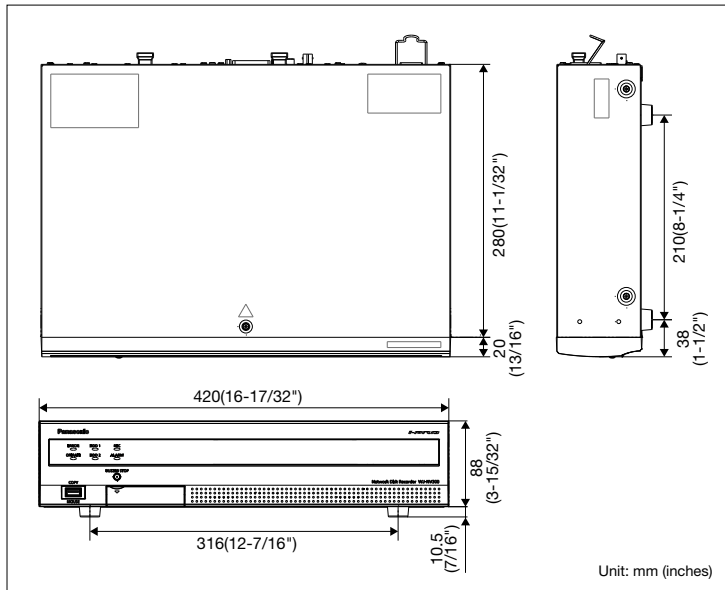
(<http://security.panasonic.com/download/library/>)

*8 Hard Disk Extension Unit WJ-HDE400 is necessary.

Part Names and Functions



Appearance



Optional Accessory

Hard Disk Extension Unit WJ-HDE400



| | |
|-------------------|--|
| Power Source | : 120 V AC, 60 Hz (NTSC) |
| Power Consumption | : approx. 130 W |
| Dimensions | : 430 mm (W) x 132 mm (H) x 400 mm (D) (16-15/16" (W) x 5-3/16" (H) x 15-12/16" (D)) (excluding rubber feet and projections) |
| Weight | : 13.5 kg (29.8 lbs.) (When no HDD exist) 20 kg (44.15 lbs.) (When 9 HDDs are installed) |

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Important


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

- All TV pictures are simulated.
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.

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*(2A-117CL)