



Video Decoder built-in 16ch Network Disk Recorder

Key Features

- H.264, MPEG-4 and JPEG multi format
- Up to 16 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 16 cameras can be displayed simultaneously.
- Supports the Full HD output (HDMI) that can display recorded images and live images in high definition
- Various alarm sources include 9x Terminal inputs, 16x 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: Goto Date (Jump to specific time/date), Goto Last (Jump to 30 s before the record end)
- Various Display Modes: Spot, Multiscreen (4 / 16 split screen display, 3 / 4 / 6 / 9 / 12 / 16 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.
- Built-in network interface (10Base-T / 100Base-TX / 1000Base-T) for recording and client access
- Up to 4 clients can monitor image and control WJ-NV200 simultaneously.
- Up to 2 HDDs (3.5 inch Serial ATA) can be installed. (WJ-NV200 only)
- User authentication, 3 user levels and User level - Camera partitioning setup for user management of up to 16 user registrations

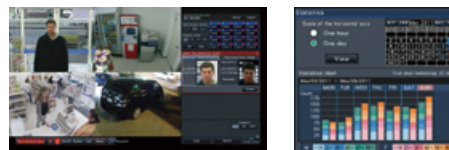
- Multi-recorder, Multi-site system can be made with optional WV-ASM200 i-PRO Management Software.
- Onvif NVC (Network Video Client), core spec Ver.1.02 conformant
- DVD drive built-in (WJ-NV200V)

Standard Accessories

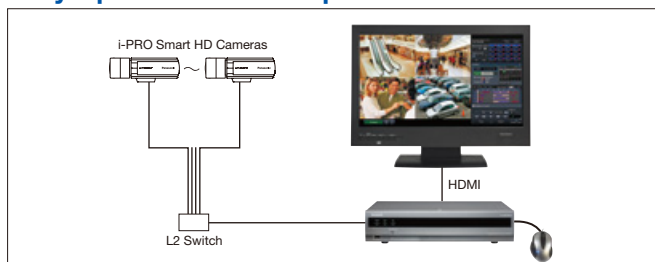
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|-------------------------------|-------|--|--------|
| • CD-ROM* | 1 pc. | The following are for installation: | |
| • Mouse | 1 pc. | • Power Cord | 1 pc. |
| • Installation Guide | 1 pc. | • HDD Fixing Screw..... | 8 pcs. |
| • Quick Reference Guide | 1 pc. | * The CD-ROM contains the operating instructions (PDFs). | |

Additional Kit

Additional Business Intelligence Kit
WJ-NV20



Easy Operation and Setup without PC



Specifications

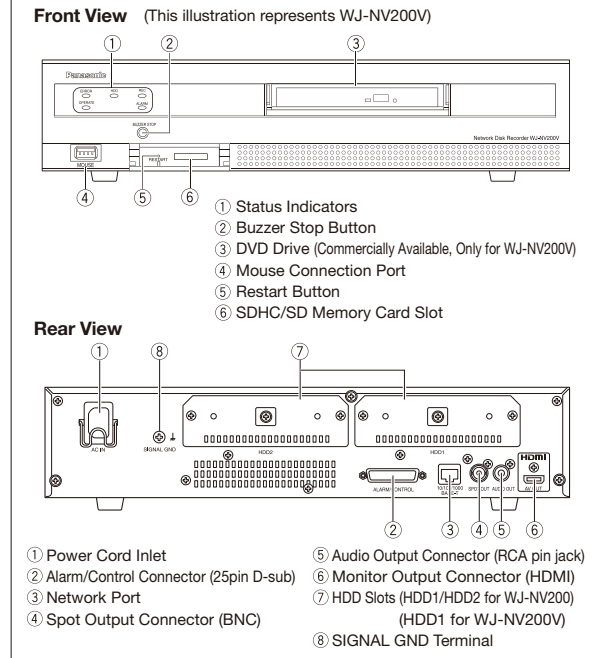
TV System		NTSC
Supported Cameras	Supported Cameras	Panasonic i-PRO series Network cameras Onvif NVT conformant camera and encoder camera
	Supported Image Format	H.264, MPEG-4, MJPEG
	Supported Image Resolution	Aspect ratio [4:3]: SXVGA (1,280 x 960), SVGA (800 x 600), VGA (640 x 480), QVGA (320 x 240) Aspect ratio [16:9]: 1,920 x 1,080, 1,280 x 720, 640 x 360, 320 x 180* Depending on the camera
	Supported Audio Format	G.726 (ADPCM) 32 kbps
Recording	Maximum Number of Cameras	16
	Recording Mode	Event, Schedule
	Pre-alarm Recording	Up to 15 seconds (Up to 10 seconds at 1,920 x 1080 resolution)
	Scheduled Recording Mode	2 programs, 3 time zones/day, Independent setup for each day of the week
Main Unit Functions	Frame Rate/Camera	Up to 30 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	4 / 16 split screen display, 3 / 4 / 6 / 9 / 12 / 16 split screen display on a full screen
	Playback Control	PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record, Prev Image, Next Image, Goto Date, Goto 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.
	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) 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, Japanese
	GUI Language	English, French, Italian, Spanish, German, Russian, Japanese
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, Goto Date, Goto 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.
	Copy	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
	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, Japanese
	Supported OS	Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP3
Supported Browser	Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit)	
	Required PC	MJPEG/MPEG-4 CPU: Intel® Core™ 2 Duo 2.66 GHz or faster, RAM: 1 GB or more, VRAM: 128 MB or more (Min. 64 MB), Microsoft® DirectX® 9.0c or later H.264 CPU: Intel® Core™ i7-920 or faster, RAM: 3 GB or more, VRAM: 128 MB or more (Min. 64 MB), Microsoft® DirectX® 9.0c or later
	Alarm Source	9x Terminal inputs, 16x Camera alarms, Panasonic Alarm Protocol
	Event Mode	Off / On
Alarm/Event	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
	Event Mode	Off / On
Input / Output	Spot Output Connector	1x 1 V [p-p] / 75 Ω (BNC)
	Monitor (HDMI) Connector	1x HDMI 1920x1080i / 50Hz, 720x576p / 50Hz
	Audio Output Connector	1x -10 dBV, 600 Ω, Unbalanced (RCA)
	Alarm/Control Connector	Alarm input 1 ~ 9 ¹ , Alarm output ² , Alarm reset input ¹
	Control Connector (25pin D-sub)	Time adjustment input ¹ , +5 V output ³
	Error/Warning	Network error output ² , HDD error output ² , Camera error output ² , Recorder error output ² , Recording error output ²
	Mouse Connection Port	1x
	Network Port	1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ-45)
	SDHC/SD Memory Card Slot	SDHC/SD memory cards applicable (miniSD cards and microSD cards not applicable)
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Network	Maximum Bandwidth	Total 80 Mbps or less
	Supported Protocol	TCP/IP, UDP/IP, HTTP, FTP, SMTP, DNS, NTP, SNMP, RTP
	E-mail	Upon Alarm or Warning
	No. of Simultaneous Users	4 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)
HDD	Summer Time	User definable (using menu setup)
	Type	WJ-NV200: 8.89 cm (3.5 inch) Serial ATA HDD, Up to 2x HDDs can be installed. WJ-NV200V: 8.89 cm (3.5 inch) Serial ATA HDD Up to 1x HDD can be installed.
DVD *WJ-NV200V only	Supported DVD disk type	DVD-R, +R (Not supported : DVD-R DL, +R DL, DVD-R for authoring. 8 cm disks)
Viewer Software	Playback Control	Play, Rev Play, Pause, FF, FR, Prev Record, Next Record, Prev Image, Next Image
	Additional Functions	Alteration detection, Save as JPEG, Two times zoom, Print, Copy
	Supported OS, Language	Same as browser GUI, Language of the software will be English
General Specifications	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. 45 W

- All TV pictures are simulated.
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.
- All product pictures are NTSC models.

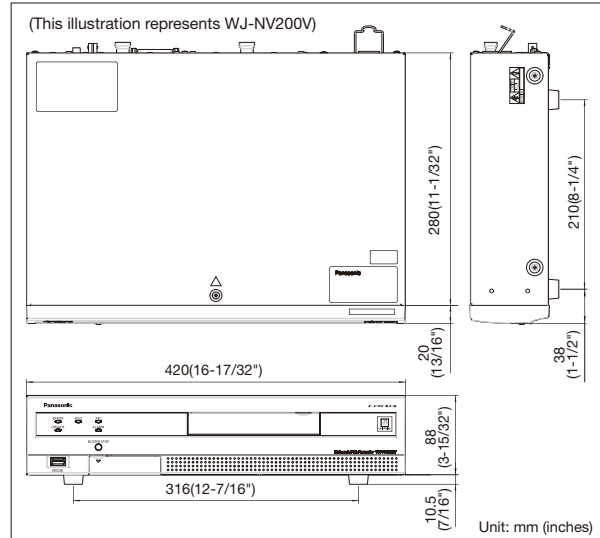
TV System		NTSC
General Specifications	Ambient Operating Temperature	Main body: +5 °C ~ +45 °C (41 °F ~ 113 °F) Mouse (provided): +5 °C ~ +40 °C (41 °F ~ 104 °F)
	Ambient Operating Humidity	WJ-NV200 : 5 % ~ 90 % (without condensation) WJ-NV200V : 10 % ~ 80 % (without condensation)
	Maximum Operating 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.)	4.8 kg (10.6 lbs.) without HDD 5.6 kg (12.36 lbs.) with 1 HDD 6.4 kg (14.13 lbs.) with 2 HDDs (WJ-NV200 only)

*1: Non-voltage make contact input, 50 kΩ +5 V DC pull-up
*2: Open collector output, 24 V DC, 100 mA max. *3: 200 mA max.

Part Names and Functions



Appearance



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- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
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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.

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