Panasonic
ideas for life

Network Disk Recorder
WJ-NV200



Video Decoder built-in 16ch Network Disk Recorder with Face Matching capability

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
- ECO-friendly automatic back light control of the wide LCD monitors, WV-LW1900/WV-LW2200 (Saves power consumption to 30 % ~ 60 % during normal use)
- Real Time Face Matching function by matching registered face images with a face displayed on live images
  * Only channel 1 * Cameras supporting face detection function is required. (WV-NP502, WV-SP305, or WV-SP306 is recommended.)
- Face matching alarm is notified by Buzzer / E-mail / Panasonic alarm / Terminal output / Indicator.
- 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 / 6 / 9 / 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 2 clients can monitor image and control WJ-NV200 simultaneously.
- Up to 2 HDDs can be installed. (8.89 cm (3.5 inch) Serial ATA HDD)
- 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-ASM100 i-PRO Management Software.
- Plan to support ONVIF in early 2011

Standard Accessories

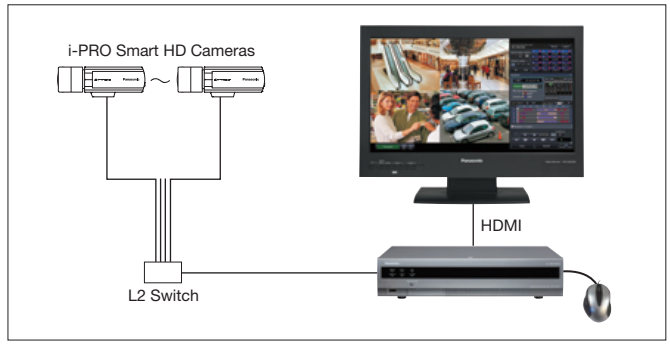
- CD-ROM* ..... 1 pc.
- Mouse ..... 1 pc.
- Installation Guide ..... 1 pc.
- Quick Reference Guide ..... 1 pc.

The following are for installation:

- Power Cord (NTSC model)..... 1 pc.
- Power Cord (PAL model)..... 2 pcs.
- HDD Fixing Screw..... 8 pcs.

* The CD-ROM contains the operating instructions (PDFs).

Easy Operation and Setup without PC



Specifications

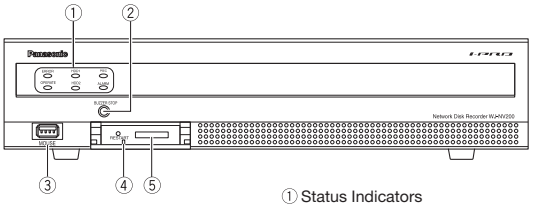
TV System			NTSC	PAL
Supported Cameras	Supported Cameras		Panasonic i-PRO series Network cameras (Contact Panasonic for Axis® cameras)	
	Supported Image Format		H.264, MPEG-4, M-JPEG	
	Supported Image Resolution		SXVGA (1,280 x 960), VGA (640 x 480), QVGA (320 x 240) (Depending on the camera)	
	Supported Audio Format		G.726 (ADPCM) 32 kbps	
	Maximum Number of Cameras		16	
Recording	Recording Mode		Event, Schedule	
	Pre-alarm Recording		Up to 15 seconds	
	Scheduled Recording Mode		2 programs, 3 time zones/day, Independent setup for each day of the week	
	Frame Rate/Camera		Up to 30 ips (Depending on the Camera)	
Main Unit Functions	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 / 6 / 9 / 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	
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 and Browser Combination		Microsoft® Windows® 7 Professional 64 bit/32 bit & Windows® Internet Explorer® 8.0, Microsoft® Windows Vista® Business SP1 32 bit & Windows® Internet Explorer® 7.0 The language of OS must be the same as selected GUI language.	
	Required PC	M-JPEG/ 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/ Event	Alarm Source		9x Terminal inputs, 16x Camera alarms, Panasonic Alarm Protocol	
	Face Matching		Off / On	
	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		1x HDMI	
	Audio Output Connector		1x –10 dBv, 600 Ω, Unbalanced (RCA)	
	Alarm/Control Connector (25pin D-sub)	Alarm	Alarm input 1 ~ 9*1, Alarm output*2, Alarm reset input*1, Face matching output*2	
		Control	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)	
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		2 or less	
	User Registration		Up to 16 users	
	User Level		3 Levels (Programmable)	
	Partitioning		User level - Camera (View & Control, No Access)	
	Security Method		User authentication (ID and Password), Alteration detection	
Other Functions	Time Synchronization		Terminal (Slave), NTP (Server/Client)	
	Summer Time		User definable (using menu setup)	
HDD	Type		8.89 cm (3.5 inch) Serial ATA HDD, Up to 2x HDDs can be installed.	
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)	CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558)
	Power Source		120 V AC, 60 Hz	220 ~ 240 V AC, 50 Hz/60 Hz
	Power Consumption		approx. 45 W	

TV System		NTSC	PAL
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	5 % ~ 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.)	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	

*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.

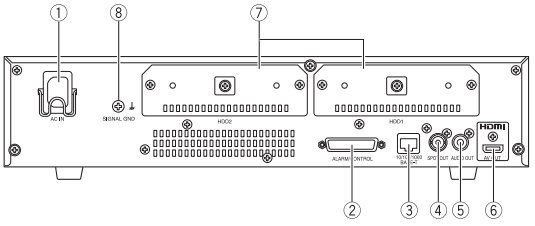
Part Names and Functions

Front View



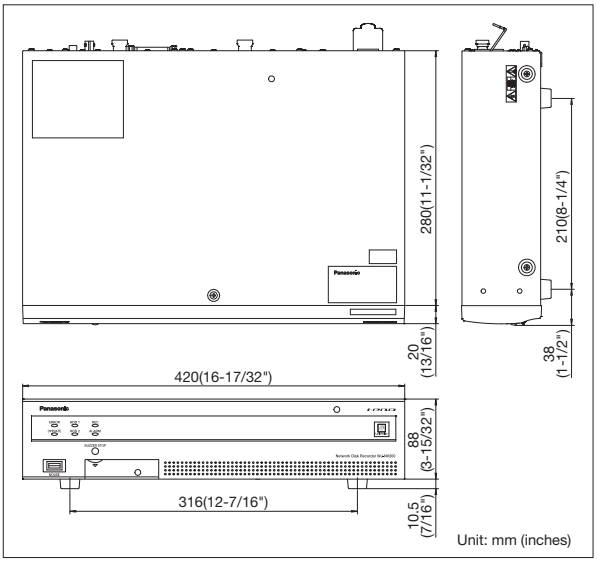
① Status Indicators
② Buzzer Stop Button
③ Mouse Connection Port
④ Restart Button
⑤ SDHC/SD Memory Card Slot

Rear View



① Power Cord Inlet
② Alarm/Control Connector (25pin D-sub)
③ Network Port
④ Spot Output Connector (BNC)
⑤ Audio Output Connector (RCA pin jack)
⑥ Monitor Output Connector (HDMI)
⑦ HDD Slots (HDD1/HDD2)
⑧ SIGNAL GND Terminal

Appearance



Unit: mm (inches)

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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.
- 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.

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