



NETWORK DISK RECORDER - WJ-NV200

VIDEO DECODER BUILT-IN 9CH / 16CH / 24CH NETWORK DISK RECORDER WITH FACE MATCHING CAPABILITY

Key Features

- H.264, MPEG-4 and JPEG multi format
- Up to 9 network cameras can be connected and recorded (WJ-NV200CH9)
- Up to 16 network cameras can be connected and recorded (WJ-NV200CH16)
- Up to 24 network cameras can be connected and recorded (WJ-NV200CH24)
- 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 9 cameras can be displayed simultaneously (WJ-NV200CH9)
- Live images from up to 16 cameras can be displayed simultaneously (WJ-NV200CH16)
- Live images from up to 24 cameras can be displayed simultaneously (WJ-NV200CH24)
- Supports the Full HD output (HDMI) that can display recorded images and live images in high definition
- 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 (4/9/16*/24** split screen display, 3/4/6/9/12*/16*/24** split screen display on a full screen)

* Only available with the WJ-NV200CH16 and WJ-NV200CH24

** Only available with the WJ-NV200CH24

- 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 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-ASM200 i-PRO Management Software
- Onvif NVC (Network Video Client), core spec Ver.1.02 conformant

Standard Accessories

CD-Rom 1 piece
Mouse 1 piece
Installation Guide 1 piece
Quick Reference Guide 1 piece

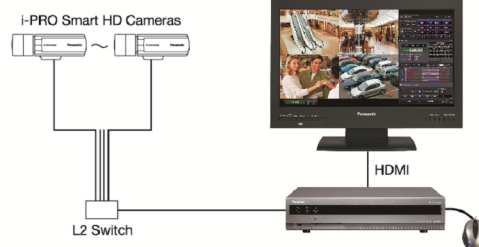
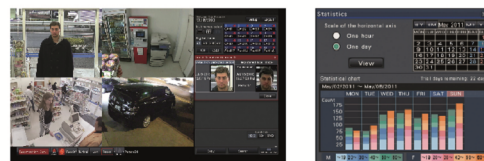
The following is for installation:

Power Cord 2 pieces
HDD Fixing Screw 8 pieces

*The CD-Rom contains the operating instructions (PDF's)

Additional Kit & Easy Installation

Additional Business Intelligence Kit WJ-NVF 20



Specifications

TV System		PAL
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
	Maximum Number of Cameras	9, 16 and 24
Recording	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
	Frame Rate/Camera	Up to 30 ips (Depending on the Camera)
	Main Unit Functions	Camera Control
Multiscreen Mode *4		4/9/16/24 split screen display, 3/4/6/9/12/16/24 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, Event type, VMD, Camera number
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
Camera Control		Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), GUI 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
Browser GUI		Image Download
	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® 8 Professional 64 bit/32 bit & Windows® Internet Explorer® 10.0, 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	MJPEG/ MPEG-4 H.264 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 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
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 dB, 60Ω, Unbalanced (RCA)
	Alarm / Control Alarm Connector (25 pin D-sub)	Alarm input 1 ~ 9*1, Alarm output*2, Alarm reset input*1, Face matching output*2
	Control Error/Warning	Time adjustment input*1, +5 V output*3 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)
Network	SDHC/SD Memory Card Slot	SDHC/SD memory cards applicable (miniSD cards and microSD cards not applicable)
	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
Other Functions	User Registration	Up to 16 users
	User Level	3 Levels (Programmable)
	Partitioning	User level - Camera (View & Control, No Access)
HDD	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)
	Type	8.89 cm (3.5 inch) Serial ATA HDD, Up to 2x HDDs can be installed.
	Playback Control	Play, Rev Play, Pause, FF, FR, Prev Record, Next Record, Prev Image, Next Image
General Specifications	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
Safety/EMC Standard	Safety/EMC Standard	CE (EN60065, EN55022 ClassB, Specifications EN55024), GOST (GOST R 51558)
	Power Source	220 - 240 V AC, 50 Hz/60 Hz

TV System		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)

*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.

*4 Multiscreen mode :

12 and 16 split screen only on WJ-NV200CH16 and WJ-NV200CH24

24 split screen only on WJ-NV200CH24

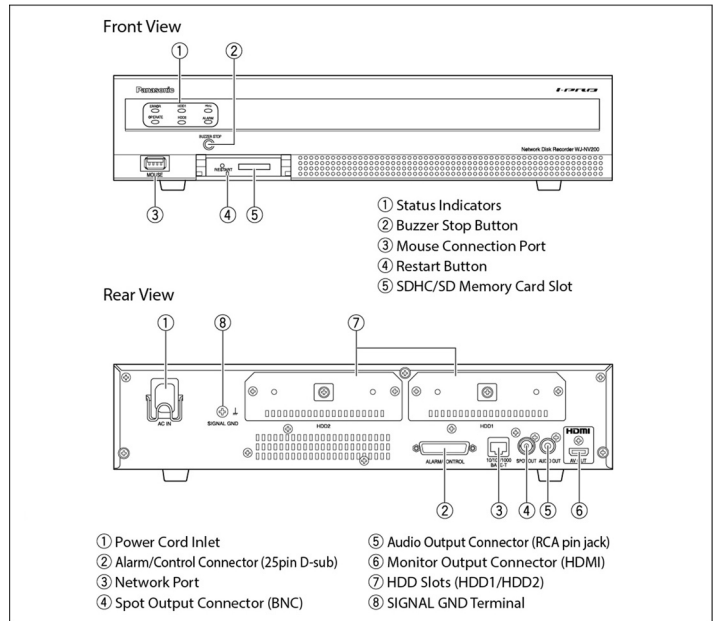
Maximum Number of Cameras is depending on the WJ-NV200 model

9 for the WJ-NV200CH9

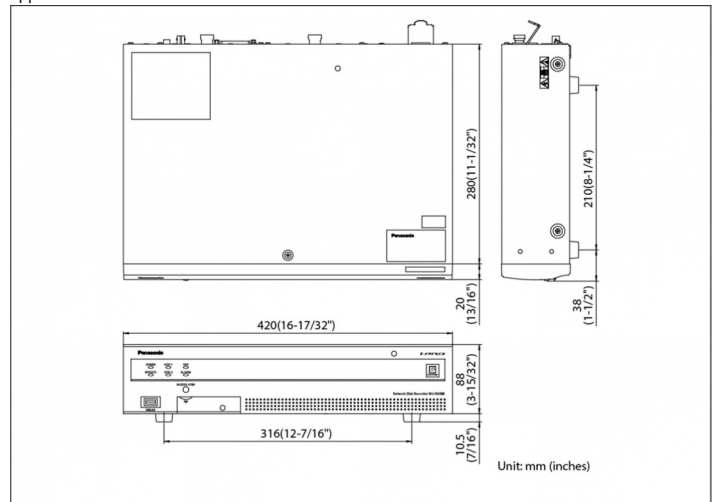
16 for the WJ-NV200CH16

24 for the WJ-NV200CH24

Part Names and Functions



Appearance



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