

WJ-NX400

WJ-NX400K (120 V AC) WJ-NX400K/G (220 - 240 V AC)



TURBO-RAID System Recorder

H.265/H.264 high-throughput and scalable embedded recorder featuring integrated GUI and robust embedded IP security enabling a secure end-to-end PC-less surveillance solution for mission-critical applications.

Support full data encryption streaming recording for all i-PRO Extreme cameras which comply to FIPS 140-2 Level 1 standards to keep your video secured from spoofing and snooping activities.

Secure high bandwidth recording

- 64 ch. expandable to 128 ch. camera input. Support H.265 / H.264 mixed recordings.
- 640 Mbps total through put (including 384 Mbps recording bandwidth)
- Symantec device certificates pre-installed

PC-less non VMS surveillance solution

- No camera license fees, no annual license updates required
- Built-in GUI and Dual HDMI (4K/FHD) outputs
- Automatic camera configuration
- Sub-stream recording for mobile access and low bandwidth system environments

Scalable storage

- (9) integrated drive-bays RAID 5/6
- External storage expansion up to 324 TB

High reliability and redundancy

- Dynamic HDD power management increases HDD life*
- Redundant fail-over using 2nd recorder to enable seamless mission-critical recording*
- TURBO-RAID for quick RAID recovery without sacrificing recording bandwidth and performance
- * Feature update

Applications

- Public safety (City / Road / Highway / Port)
- Transportation (Airport / Train / Subway)
- Bank / Retail
- Hospital / Education
- Casino / Stadium
- Factory









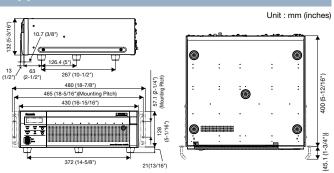
Specifications

	Compatible vendor	Panasonic i-PRO series Network cameras,		
Camera		ONVIF NVT conformant camera and encoder		
	Supported Image Format	H.265(HEVC), H.264, JPEG		
	Supported Image Resolution	•Aspect ratio [4:3]		
	(Depending on the camera)	4,000x3,000, 2,560x1,920, 2,048x1,536, 1,280x960, 800x600, 640x480		
		•Aspect ratio [16:9]		
		3,840x2,160, 2,560x1,440, 1,920x1,080, 1,280x720, 640x360 •Aspect ratio [1 : 1] 2,992x2,992, 2,816x2,816, 2,048x2,048, 1,280x1,280		
		•Aspect ratio [9 : 16] 1080x1920, 720x1280, 360x640		
	Supported Audio Format	G.711 for Onvif, G.726 (ADPCM) 32 kbps		
	Maximum Number of Cameras			
Recording	Ticcording Mode	Event, Schedule, Emergency		
	Pre-alarm Recording	Up to 15 seconds *When the delivery speed from the network camera is less than 3 Mbps.		
	Sub-stream Recording	768 kbps (fixed data size)		
	Scheduled Recording Mode	16 programs, 3 time zones/day, Independent setup for each day of the week		
	Frame Rate/Camera	Up to 60 ips (Depending on the camera)		
Main Unit	Camera Control	Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256),		
unctions		Auto mode, Click centering, Wheel zoom, Zoom reset, Auto Back Focus,		
		Aux, Wiper (for WV-SUD638)		
	Multiscreen Mode	[Main monitor]		
		4 / 9 / 16 split screen display,		
		3 / 4 / 6 / 9 / 12 / 16 / 24 / 32 / 64 split screen display /1 screen sequence /		
		4(9, 16) split screen sequence on a full screen		
		(*64-multiscreen is available when sub monitor isn't on.)		
		[Sub monitor]		
		1 screen sequence / 4(9,16) split screen sequence /		
		9(16)32 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, Thumbna		
	Сору	Recorded data of selected cameras and time date range can be copied to		
		the USB storage.		
	Camera Title	Up to 16 Characters		
	Clock Display	Time: 12H/24H, Date: 5 formats		
	Digital Zoom	Live / Play: 1.25x 1.5x 1.75x, 2x, 2.5x, 3x, 3.5x 4x, 5x, 6x, 7x, 8x (only for 1-screen or 4-screen)		
	System Log	Operator access (500), Network error (100), Error (1,000), Event (1000), Operation (500)		
	System Setup	Setup page in English, French, Italian, Spanish, German, Russian,		
		Portuguese, Thai, Simplified Chinese, Japanese		
	360 Camera Dewarp	Only 1ch display mode.		
	re-encoding	2Client *Only when 64 ch mode		
Browser	Camera Control	Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 2		
GUI		Auto mode, Click centering, Wheel zoom, Zoom reset, , Aux, Wiper (for WV-SUD638)		
	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.		
	image Bownieae	Viewer software can be downloaded separately.		
	SD Memory Data Download	Images recorded in the SD card in the i-PRO series cameras can be		
	os momory sala somiloda	transferred to the recorder automatically. (H.265/H.264)		
	Сору			
	Camera Title	Recorded data of selected cameras and time date range can be copied to the USB strac		
	Clock Display	Up to 16 characters		
		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 (500), Network error (100), Error (1,000), Event (1000), Operation (500)		
	GUI Language	Setup page in English, French, Italian, Spanish, German, Russian, Portuguese,		
		Thai, Simplified Chinese, Japanese		
	Required PC	CPU : Intel® Core™ i7-860 or faster , RAM : 4 GB or more,		
		VRAM: 128 MB or more (Min. 64 MB), Microsoft® DirectX® 9.0c or later		

- 11 Two Additional Camera Kits WJ-NXE40 are necessary.
 12 Non-voltage make contact input
 13 Open collector output, 24 V DC, -200 mA max.
 14 +5V ±0.5 V 200 mA max.
 15 Please check the following URL for the latest information. (http://security.panasonic.com/download/library/)

*6 RAID1 : Feature update

Appearance



- Trademarks and registered trademarks

 "i-PRO" logo is trademarks or registered trademarks of Panasonic Corporation.

 HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

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Alarm Source 32x Terminal inputs, 128x Camera alarms (Panasonic Alarm Protocol). 128x Command alarms Event Mode Off / On Alarm recording, e-mail notification, Alarm message, Camera positioning, Narm Action Terminal output, Panasonic alarm protocol output, Buzzer, Indicator Alarm Control Event log Spot Output Connector 1000 1x 1 V [p-p] / 75 Ω (BNC) NTSC /PAL (selectable in setup menu) Output Monitor (HDMI) Connecto [Main monitor] HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz, 1920x1080i /60Hz, 1920x1080i /50Hz, 720x576p /50Hz, 720x480p /60Hz HDMI 1920x1080p /60Hz, 1920x1080p /50Hz, 1920x1080i /60Hz, 1920x1080i /50Hz, 720x576p /50Hz, 720x480p /60Hz -10 dBv, 600 Ω , 600 Ω , unbalanced ×1 (RCA pin jack) Audio Output Connector Alarm Alarm input 1 - 32°2, Alarm output°3, Alarm reset input 1 - 4°2 Time adjustment input*2, 2x +5 V output*4
Network error output*3, HDD error output*3, Camera error output*3, Control Control Connector D-sub 25pin Error/ Recorder error output^{*3}, Recording error output^{*3}, Emergency recording input. Outage detection input External recording mode switching input, Outage processing end output Mouse Connection Port 2 (Front 1, Rear 1) Network Port 2x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45) USB Storage USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device) External Storage 5x WJ-HXE400 2x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45) Network Interface Maintenance Network Port 1x 10BASE-T / 100BASE-TX (RJ45) Maximum Recording Rate 384 Mbps or less Maximum Band Width Total 640 Mbps or less IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP Supported Protocol IPv6 : ICMPv6 E-mail Upon Alarm or Warning No. of Simultaneous Users 16 or less User Registration Up to 32 users 3 Levels (Programmable) User level - Camera (View & Control, No Access) Partitioning ord), Host authentication. Security Method User authentication (ID and Passy Alteration detection, SSL/TLS Terminal (Slave), NTP (Server/Client) Time Synchronization Other Summer Time User definable (using menu setup) Remote Monitoring on Smartphone/Tablet *Panasonic Security Viewer v.3.0 or later is required on smartphone/tablet PC HDD WJ-NX400 : 8.89 cm (3.5 inch) Serial ATA HDD, Up to 9x HDDs can be installed (with HDD canister as standard accessory) Maximum Capacity 54 HDD slots (with 5x WJ-HXE400 Extension Units, 9x HDDs installed in each unit Up to 6 TB will be supported.*5 Single, RAID1'6, 5, 6
Play, Rev Play, Pause, FF, FR, Prev Record, Next Record, Prev Image, Next Image RAID (Hardware RAID) Playback Control Additional Functions Alteration detection, Save as JPEG, Two times zoom, Print, Copy Supported OS, Language Language of the software will be English or Japanese General Safety / EMC Standard WJ-NX400K : UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065),DOC (ICES003 ClassA) WJ-NX400K/G: CE (EN60065, EN55032 ClassB, EN55024), EAC WJ-NX400K : 120 V AC 60 Hz / WJ-NX400K/G : 220 V - 240 V AC 50 Hz/60 Hz Power Source approx. 125 W (with 6 TB HDD x9)

Main body: +5 °C to +45 °C (41 °F to 113 °F) Power Consumption Ambient Operating Temperature 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 430 mm (W) x 132 mm (H) x 400 mm (D) {16-15/16 inches (W) x 5-3/16 inches (H) x 5-12/16 inches (D)}

Optional Accessories

Hard Disk Extension Unit		WJ-HXE400	WJ-HXE400/G
	Power Source	120 V AC, 60 Hz	220 - 240 V AC, 50Hz / 60Hz
WJ-HXE400	Power Consumption	85 W (170 VA)	85 W (175 VA)
	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))	
THE RESIDENCE OF THE PARTY OF T		(excluding rubber feet and projections)	
THE RESERVE TO SERVE THE PARTY OF THE PARTY	Weight	11 kg {24.3 lbs} (When no HDD exist)	
		19.5 kg (43.0 lbs) (When 9 HDDs are installed)	

(excluding rubber feet and projections)

When no HDD is installed: 11.5 kg {25.4 lbs} / When 9 HDDs are installed: 20 kg {44.1 lbs}

Additional Camera Kits

Mass (approx.)

Number of cameras used in the system can be increased to 96 and 128 (maximum) by purchasing the Additional Camera Kits (WJ-NXE40, WJ-NXE40W: license for 32 cameras).

Secure Communication Kits

The Secure Communication Kits are license kits to use the security function of the network disk recorder (WJ-NX400K). Each Secure Communication Kit allows the following number of cameras to be registered.

WJ-NXS01, WJ-NXS01W | WJ-NXS04, WJ-NXS04W | WJ-NXS16, WJ-NXS16W | WJ-NXS32, WJ-NXS32W

- 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.
- Masses and dimensions are approximate.
 Specifications are subject to change without notice.

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