

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 cameras which comply to FIPS 140-2 CAVT* to keep your video secured from spoofing and snooping activities. *Using encryption module standardized by FIPS publication 140-2

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)
- Pre-installed device certificates *Secure Communication Kits are necessary.

PC-less non VMS surveillance solution

- No camera license fees with a default number of cameras; 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 1 / 5 / 6
- External storage expansion up to 432 TB

High reliability and redundancy

- Dynamic HDD power management increases HDD life
- Redundant fail-over using 2nd recorder to enable mission-critical recording*
- NVR backup important data to NAS devices.*
- TURBO-RAID for quick RAID recovery without sacrificing recording bandwidth and performance
- * KMS registration is necessary for activation.

Industry examples

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









Specifications

Supported	Compatible vendor	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] 4000x3000, 3072x2304, 2560x1920, 2048x1536, 1600x1200, 1280x960, 800x600, 640x48		
	(Depending on the camera)	•Aspect ratio[16:9] 3840x2160, 3072x1728, 2560x1440, 1920x1080, 1280x720, 640x360		
	(= -	•Aspect ratio[1 : 1] 2992x2992, 2816x2816, 2192x2192, 2048x2048, 1280x1280		
		•Aspect ratio[9:16] 2160x3840, 1728x3072, 1440x2560, 1080x1920, 720x1280, 360x640		
	Supported Audio Format	G.711 for Onvif, G.726 (ADPCM) 32 kbps, AAC-LC		
	Maximum Number of Cameras	MAX. 128*1 (Default number of cameras : 64)		
		Event, Schedule, Emergency		
	Pre-alarm Recording	Up to 15 seconds "When the delivery speed from the network camera is less than 3 Mbps.		
		64 / 128 / 256 / 384 / 512 / 768 kbps		
	Sub-stream Recording			
	Scheduled Recording Mode			
	Frame Rate/Camera	Up to 60 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,		
		Aux, Wiper (for WV-SUD638)		
	Multiscreen Mode	[Main monitor]		
		Control screen 4 / 9 / 16 split screen display		
		 Wide view screen 2 / 3 / 4 / 5 / 6 / 7 / 9 / 12 / 16 / 24 / 32 split screen display, 		
		1 screen sequence, 4 / 9 / 16 split screen sequence		
		[Sub monitor]		
		1 / 4 / 9 / 16 / 32 split screen display,		
		1 screen sequence, 4 / 9 / 16 split screen sequence		
	Playback Control	PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record,		
	r layback control	Prev Image, Next Image, Go to Date, Go to Last (30 s), Time-saving playback		
	Search Mode	Search criteria: Time date, Playback by designating a timeline, VMD, Thumbnail		
		File Format : Original Format / MP4		
	Сору			
	O	Recorded data of selected cameras and time date range can be copied to 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, Traditional Chinese, Japanese		
	360 Camera Dewarp	Only 1ch display mode.		
	re-encoding	2Client *Only when 64 ch mode		
	SD Memory Data Download	Images recorded in the SD card in the i-PRO series cameras can be		
		transferred to the recorder automatically. (H.265/H.264)		
Browser	Camera Control	Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256),		
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	File Format : Original Format / MP4		
	inage bownload	Recorded data of selected camera and time range can be downloaded to a PC.		
		Viewer software can be downloaded separately.		
	0			
	Сору	File Format : Original Format / MP4		
		Recorded data of selected cameras and time date range can be copied to USB storage.		
	Camera Title	Up to 16 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 (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, Traditional 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		

Appearance

*2 Non-voltage make contact input *4 +5V ±0.5 V 200 mA max. global/en/surveillance/training-support/documenta

{45.1 (1-3/4")}

- *1 Two Additional Camera Kit WJ-NXE40W are necessary.

 3 Open collector output, 24 V DC, -200 mA max.

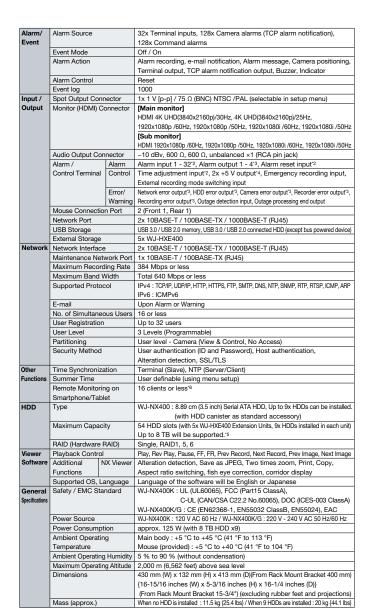
 5 Please check the following UR for the latest information. (https://pnc.om

 6 i-PRO Mobile APP is required on smartphone/tablet PC.

Unit: mm (inches) 10.7(3/8") 0 **(** 126.4(5") 267(10-1/2) 400(15-3/4") {480(18-7/8")} 413(16-465(18-5/16")(Mounting Pitch) 430(16-15/16") 0 ø

21(13/16")

- Safety Precautions : Carefully read the Basic Information, Installation Guide and
- Operating Instructions before using this product.
- i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.



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 413 mm(D) (From Rack Mount Bracket 400 mm)		
		(16-15/16" (W) x 5-3/16" (H) x 16-1/4" (D)) (From Rack Mount Bracket 15-3/4")		
THE REPORT OF THE PARTY OF THE		(excluding rubber feet and projections)		
The second secon	Weight	11 kg {24.3 lbs} (When no HDD exist)		
		19.5 kg {43.0 lbs}	(When 9 HDDs are installed)	

Additional Camera Kit

Number of cameras used in the system can be increased to 96 and 128 (maximum) by purchasing the Additional Camera Kit (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-NXS01W	WJ-NXS04W	WJ-NXS16W	WJ-NXS32W
1 camera	4 cameras	16 cameras	32 cameras

Trademarks and registered trademarks

- All other trademarks identified herein are the property of their respective owners.
- Masses and dimensions are approximate. Specifications are subject to change without notice.

