WJ-NX410KG

32/64ch H.265 NVR

i-PRO NX series High-secured NVR

- 32/64ch NVR
- Support up to 1080 TB HDD
- High security and High connectivity
- NDAA compliant with intel® CPU
- FIPS 140-2 level 3 Certified Secure Element
- Remote Monitoring

SPECIFICATIONS

Supported Camera	
Compatible Vendor	i-PRO series Network cameras, ONVIF NVT conformant camera and encoder
Supported Image Format	H.265(HEVC), H.264, JPEG
Supported Image Resolution	•Aspect ratio [4 : 3] 3,072x2,304, 2,560x1,920, 2,048x1,536, 1,600x1,200, 1,280x960, 800x600, 640x480 •Aspect ratio [16 : 9] 3,840x2,160, 3,328x1,872, 3,072x1,728, 2,688x1,520, 2,560x1,440, 1,920x1,080, 1,280x720, 640x360 •Aspect ratio [1 : 1] 2,992x2,992, 2,816x2,816, 2,192x2,192, 2,048x2,048, 1,440x1,440, 1,280x1,280, 1,200x1,200 •Aspect ratio [9 : 16] 2,160x3,840, 1,872x3,328, 1,728x3,072, 1,520x2,688, 1,440x2,560, 1080x1920, 720x1280, 360x640
Supported Audio Format	AAC-LC, G.711(for ONVIF)
Maximum Number of Cameras	Max. 64 (Default number of cameras : 32)

Recording	
Recording Mode	Event, Schedule, Emergency, Pre-event recording
Pre-Alarm Recording	Up to 15 seconds *When the delivery speed from the network camera is less than 4 Mbps
Sub-Stream Recording	-
Scheduled Recording Mode	16 programs, 6 time zones/day, Independent setup for each day of the week
Frame Rate	Up to 60 fps (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), Active ClearSight
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 /64 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, 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, Thumbnail
Copy	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	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 Language	Setup page in English, French, Italian, Spanish, German, Portuguese, Thai, Vietnamese, Simplified Chinese, Traditional Chinese, Japanese
360 Camera Dewarp	Only 1ch display mode Display : 1-Screen PTZ / 4-Screen PTZ
Re-Encoding	2 clients

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)
User Registration	Up to 32 users
User Level	3 Levels (Programmable)
Partitioning	User level - Camera (View & Control, View Only, No Access)
Security Method	User authentication (ID and Password), Host authentication, SSL/TLS, Data encryption (Only when using Secure communication kit)

Web Browser

Camera Control	Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mode, Click centering, Wheel zoom, Zoom reset, Aux, Wiper (for WV-SUD638), Active ClearSight
Playback Control	PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record, Prev Image, Next Image, Go to Date, Go to Last
Search Mode	Search criteria : Time date, Event type, VMD, Camera number
Display Mode	1 screen
Image Download	File Format : Original Format / MP4 Recorded data of selected camera and time range can be downloaded to a PC. Viewer software can be downloaded separately
Camera Title	Up to 16 characters
Clock Display	Time : 12H/24H, Date : 5 formats
Alarm Control	Reset
Digital Zoom	-
GUI Language	Setup page in English, French, German, Italian, Spanish, Portuguese, Thai, Vietnamese, 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

Alarm/Event

Alarm Source	32x Terminal inputs, 64x Camera alarms (TCP alarm notification), 128x Command alarms
Event Mode	Off / On(Recording & alarm action, Recording only)
Alarm Action	Alarm recording, E-mail notification, Alarm message, Camera positioning, Terminal output, TCP alarm notification, HTTP alarm notification, Buzzer, Indicator
Alarm Control	Reset
Event Log	Up to 1000

Input/Output

Monitor (HDMI) Connector	[Main monitor] HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz, [Sub monitor] HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz,
Audio Output Connector	-
Alarm IO	Alarm in: 32 Alarm out: 4

Control IO	Network error output Alarm reset input Emergency recording input Power failure detection input External recording mode switching input HDD error/recording error output Camera error output Device error output Recorder error output Power failure processing completion output +5V output (200mA) Spare input/output x5
Mouse Connection Port	x1 USB2.0 conformant port in front side DC5V/500mA (with over current limitation function)
Camera/PC Network Port	2x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)
Maintenance Network Port	1x 10BASE-T / 100BASE-TX
USB Storage	Front: USB 3.0/USB 2.0 stick, USB 3.0/USB 2.0 HDD (self-powered device only) Rear: USB 3.0/USB 2.0 stick, USB 3.0/USB 2.0 HDD (self-powered device only), USB 3.0/USB 2.0 SSD (both of self and bus-powered devices)

Network

Maximum Recording Rate	384 Mbps
Maximum Bandwidth	Total 640 Mbps or less
Supported Protocol	IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP IPv6 : ICMPv6
E-mail	Upon Alarm or Warning
No. of Simultaneous Users	16 or less

Other Functions

Time Synchronization	NTP (Server/Client)
Summer Time	User definable (using menu setup)
Remote Monitoring on Smartphone/Tablet	16 clients or less

HDD

HDD Extension Unit	Max 5 of WJ-HXE400 or WJ-HXE410 can be attached.
Maximum Capacity	Determined on "HDD compatilility chart" max.20TB will be supported.
RAID (Hardware RAID)	RAID1, RAID5, RAID6(Hardware RAID)

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, Aspect ratio switching, fisheye correction, corridor display
Supported Language	English, Japanese

Extension Software

Camera Extension Kit	WJ-NXE42W (32ch→64ch)
Business Intelligence Kit	-
Secure Communication Kit	WJ-NXS01W, WJ-NXS04W, WJ-NXS16W, WJ-NXS32W

General

Safety/EMC Standard	DEMKO (IEC62368-1), CE/UKCA (EN55032/EN55035)
Power Source	AC100-240V (±10%), 50Hz/60Hz

Power Consumption	145W 150VA
Ambient Operating Temperature	NVR: 0℃～45℃ (32℉～113℉) Mouse: 5℃～40℃ (41℉～104℉)
Ambient Operating Humidity	5 % to 90 % (without condensation)
Maximum Operating Altitude	2,000 m (6,562 feet) above sea level
Dimensions	430 mm (W) x 132 mm (H) x 413 mm (D) {16-15/16 inches (W) x 5-3/16 inches (H) x 16-1/4 inches (D)}
Mass (Approx.)	13 kg ｛28.7lbs｝ * *If HDD is not mounted 20 kg ｛44.1lbs｝ ** **If 9 HDDs are mounted
Finish	Front Panel: Plastic, Powder Coating Top Cover: SECC, Powder Coating Rear Panel: SECC

OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WJ-HXE410
Extension Unit

WJ-HXE400
Extension Unit

APPEARANCE

480(18-13/16")
465(18-5/16") (Mounting pitch)
430(16-15/16")

400(15-3/4")
413(16-1/4")

132(5-3/16")

267(10-1/2")

前面カバー開口状態