# WJ-NX410K

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]<br>3,072x2,304, 2,560x1,920, 2,048x1,536, 1,600x1,200, 1,280x960, 800x600, 640x480<br>•Aspect ratio [16 : 9]<br>3,840x2,160, 3,328x1,872, 3,072x1,728, 2,688x1,520, 2,560x1,440, 1,920x1,080, 1,280x720, 640x360<br>•Aspect ratio [1 : 1]<br>2,992x2,992, 2,816x2,816, 2,192x2,192, 2,048x2,048, 1,440x1,440, 1,280x1,280, 1,200x1,200<br>•Aspect ratio [9 : 16]<br>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<br>*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),<br>Auto mode, Click centering, Wheel zoom, Zoom reset, Auto Back Focus,<br>Aux, Wiper (for WV-SUD638), Active ClearSight |
| Multiscreen Mode | [Main monitor]<br>Control screen: 4 / 9 / 16 split screen display<br>Wide view screen: 2 / 3 / 4 / 5 / 6 / 7 / 9 / 12 / 16 / 24 / 32 /64 split screen display,<br>1 screen sequence, 4 / 9 / 16 split screen sequence<br><br>[Sub monitor]<br>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,<br>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<br>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,<br>Thai, Vietnamese, Simplified Chinese, Traditional Chinese, Japanese |

| | |
|---|---|
| 360 Camera Dewarp | Only 1ch display mode<br>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,<br>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),<br>Auto mode, Click centering, Wheel zoom, Zoom reset,<br>Aux, Wiper (for WV-SUD638), Active ClearSight |
| Playback Control | PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record,<br>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<br>Recorded data of selected camera and time range can be downloaded to a PC.<br>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,<br>Thai, Vietnamese, Simplified Chinese, Traditional Chinese, Japanese |
| Required PC | CPU : Intel® Core™ i7-860 or faster, RAM : 4 GB or more,<br>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),<br>128x Command alarms |
| Event Mode | Off / On(Recording & alarm action, Recording only) |
| Alarm Action | Alarm recording, E-mail notification, Alarm message, Camera positioning,<br>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]<br>HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz,<br>1920x1080p /60Hz, 1920x1080p /50Hz,<br>[Sub monitor]<br>HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz,<br>1920x1080p /60Hz, 1920x1080p /50Hz, |
| Audio Output Connector | - |
| Alarm IO | Alarm in: 32<br>Alarm out: 4 |

| | |
|---|---|
| Control IO | Network error output<br>Alarm reset input<br>Emergency recording input<br>Power failure detection input<br>External recording mode switching input<br>HDD error/recording error output<br>Camera error output<br>Device error output<br>Recorder error output<br>Power failure processing completion output<br>+5V output (200mA)<br>Spare input/output x5 |
| Mouse Connection Port | x1 USB2.0 conformant port in front side<br>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)<br>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<br>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 | Not installed, HDD canister: max. 9 slots (3.5") |
| HDD Extension Unit | Max 5 of WJ-HXE400 or WJ-HXE410 can be attached. |
| Maximum Capacity | Determined on "HDD compatilility chart"<br>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,<br>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,<br>WJ-NXS16W,WJ-NXS32W |

| General | |
|---|---|
| Safety/EMC Standard | UL (UL62368-1), c-UL (CAN/CSA C22.2 NO.62368-1), FCC (FCC Part15 Subpart B) |
| Power Source | AC100-240V (±10%), 50Hz/60Hz |
| Power Consumption | 145W<br>150VA |
| Ambient Operating Temperature | NVR: 0˚C～45˚C (32˚F～113˚F)<br>Mouse: 5˚C～40˚C (41˚F～104˚F) |
| 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)<br>{16-15/16 inches (W) x 5-3/16 inches (H) x 16-1/4 inches (D)} |
| Mass (Approx.) | 13 kg 〔28.7lbs〕 *<br>*If HDD is not mounted<br>20 kg 〔44.1lbs〕 **<br>**If 9 HDDs are mounted |
| Finish | Front Panel: Plastic, Powder Coating<br>Top Cover: SECC, Powder Coating<br>Rear Panel: SECC |

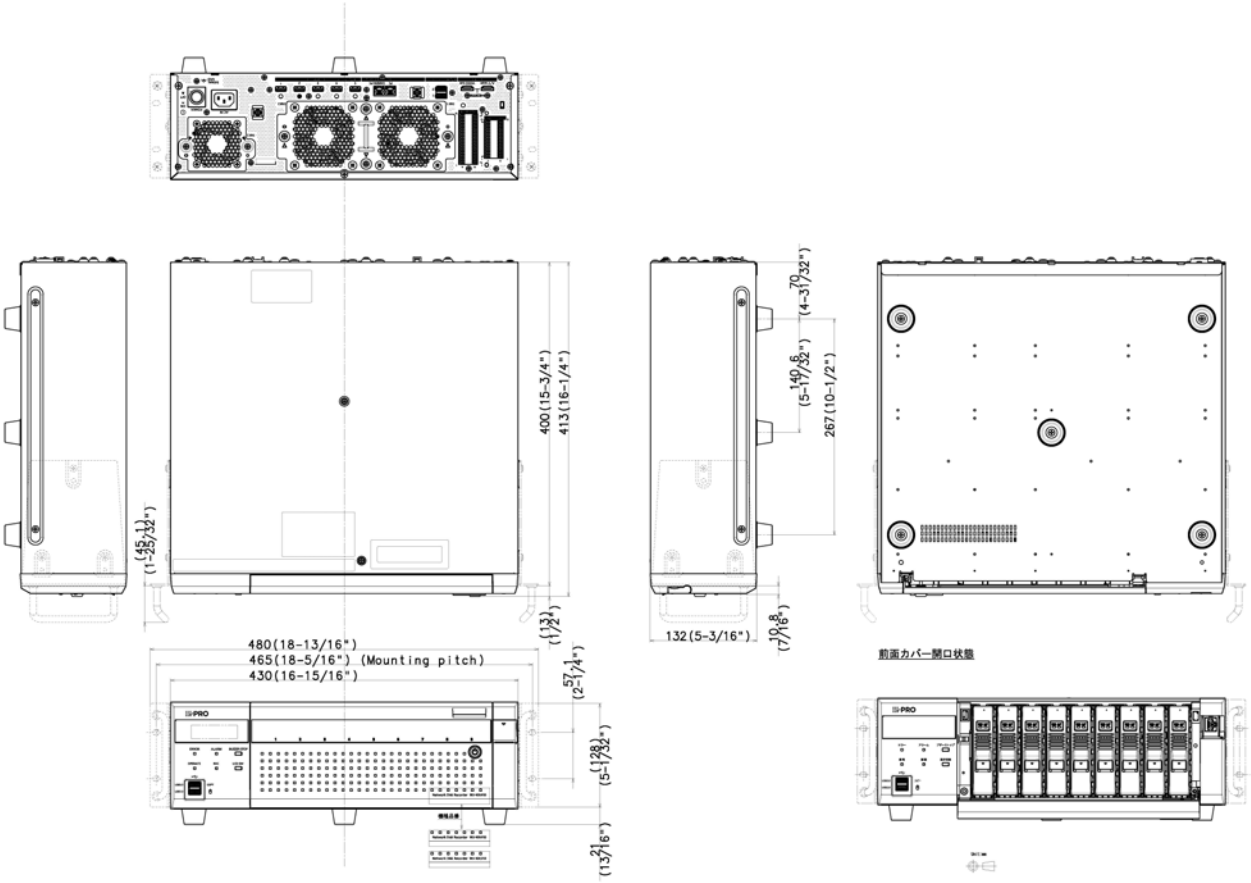
# OPTIONAL ACCESSORIES

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

WJ-HXE410
Extension Unit

WJ-HXE400
Extension Unit

# APPEARANCE


400(15-3/4")
413(16-1/4")
(1-25/32")
(1/2")
480(18-13/16")
465(18-5/16") (Mounting pitch)
430(16-15/16")
(2-7/4")
(5-1/32")
(13/16")
(4-3/32")
(5-1/32")
267(10-1/2")
132(5-3/16")
(7/16")
前面カバー開口状態