

### WJ-NU201K

Network Video Recorders / North America and Asia model

## New higher secure level and easy installation NVRs with a build-in PoE+ switch / North America and Asia model



- 8ch NVR with a built-in PoE+ switch
- Support up to 20 TB HDD
- NDAA compliant with intel® CPU
- FIPS 140-2 level 3
- Remote Monitoring
- North America and Asia model

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# **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 (Depending on the camera)	•Aspect ratio [4 : 3] 3072x2304, 2560x1920, 2048x1536, 1600x1200, 1280x960, 800x600, 640x480 •Aspect ratio [16 : 9] 3840x2160, 3328x1872, 3072x1728, 2688x1520, 2560x1440, 1920x1080, 1280x720, 640x360 •Aspect ratio [1 : 1] 2992x2992, 2816x2816, 2192x2192, 2048x2048, 1440x1440, 1280x1280, 1200x1200 •Aspect ratio [9 : 16] 2160x3840, 1872x3328, 1728x3072, 1520x2688, 1440x2560, 1080x1920, 720x1280, 360x640				
Supported Audio Format	AAC-LC, G.711 for ONVIF				
Maximum Number of Cameras	MAX. 8				
Recording					
Recording Mode	Event, Schedule, Emergency, Pre-event				
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	4 programs, 6 time zones/day, Independent setup for each day of the week				
Frame Rate/Camera	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)				
Multiscreen Mode	<ul> <li>[Main monitor]</li> <li>Control screen 4 / 9 split screen display</li> <li>Wide view screen 2 / 3 / 4 / 5 / 6 / 7 / 9 split screen display,1 screen sequence</li> <li>[Sub monitor]</li> <li>1 screen sequence, 4 / 9 split screen display</li> </ul>				
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, VMD, Thumbnail				
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	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, Portuguese, Thai, Vietnamese, Simplified Chinese, Traditional Chinese, Japanese				
360 Camera Dewarp	Only 1ch display mode.				
re-encoding	2Client				
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)				

Camera Control    Part   Zoom, Rocu. Brightness, Preset position call and program (up to 256), Automode, Zoom reset, Aux, Wigers (Evw. 94,008)   Payback Control   PARY, Rev PLAY, Paue, Stop, FF, FR, Prev Record, Next Record, Prev Image, Next Image, Co to Dato, Co to List (Sci.)   Part   P	Browser GUI				
Lest (809)   Search Mode   Search criteria : Time dote, (Jevent type, Cometa number   Display Mode   1 screen   Time dote, (Jevent type, Cometa number   Display Mode   1 screen   Time dote, (Jevent type, Cometa number   Display Mode   1 screen   Time dote, (Jevent type, Cometa and time stange can be downloaded to a PC.	Camera Control				
Time date, Event type, Camera number  Display Mode  1 Screen  Image Download  Rice Format: Original Format   Mile Verew southward camera and time range can be downloaded to a PC.  Verew southward camera and time range can be downloaded to a PC.  Verew southward camera and time date range can be copied to USII storage.  Camera Title  Up to 16 characters  Ook Bissley  On the Drowser, Time: 12H/24H, Date: 5 formats  Alarm Control  Reset  Operator access (500), Network error (000, Error (1,000), Event (1000), Operation (500)  Oli Language  Coll Language  English, Prench, Italian, Spanish, German, Perfuguese, Tind, Victnamese, Simplified Chinese, Traditional  Chinese, Japanese  Required PC  CUI. Intel® Core* 17-880 or laster, RAM1-4 GB or more, Verbit Browser  Microsoft Edge*, Codgle Chrome, Mozilla Freiox  *Not competible with intermet Explorer mode  Alarm Feent  Alarm Source  4x Terminal Inputs, 8x Camera alarms (TCP alarm notification), 128x Command alarms  Event log  1000  Imput Johtput  Moritor (PDMI) Connector  [Main monitor] HDMI 4k UHD)840-2160p1/30Hz, 4k UHD)840-2120p1/20Hz, 1920-1050p1/00Hz, 1920-1050p1/00	Playback Control	·			
File Formats Original Format	Search Mode				
Recorded data of selected camera and time range can be downloaded to a P.C. Viewer software can be downloaded suparately.  Cappy  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 formuts  Alarm Control  Reset  Population Control  Reset  Clock Display  Operator access (500), Network error (100), Error (1,000), Event (1000), Operation (500)  Cult Language  Cult Language  Cult Language  Required PC  CPU: Intel® Core® 17-860 or faster , RAM: 4 CB or more, VRAM: 128 MB or more (Min. 64 MB), Microsoft BirectX® 9.0c or later  Web Browser  Microsoft Roige, Coople Chrome, Mortland Friedow  Not compatible with Internet Explorer mode  Alarm/Event  Alarm Source  4x Terminal Inputs, 8x Camera alarms (TCP alarm notification), 128x Command alarms  Find to Compatible with Internet Explorer mode  Alarm Action  Alarm recording, E-mail notification, Alarm message, Camera positioning, Terminal output, TCP/HTTP alarm notification output, Buzzer, Indicator  Alarm Control  Reset  Event Idog  1000  Input/Output  Monitor (HDM) Connector  [Main monitor] HDM 14x UHD(3840x2160p) [30Hz, 4K UHD)(3840x2160p) [25Hz, 1920x1080p) 60Hz, 1920x1080p) 50Hz  Sub monitor (HDM) Connector  [Main monitor] HDM 14x UHD(3840x2160p) [30Hz, 4K UHD)(3840x2160p) [25Hz, 1920x1080p) 60Hz, 1920x1080p) 50Hz  Sub monitor (HDM) Connector  [Main monitor] HDM 14x UHD(3840x2160p) [30Hz, 4K UHD)(3840x2160p) [25Hz, 1920x1080p) 60Hz, 1920x1080p) 50Hz  Sub monitor (HDM) Connector  [Main monitor] HDM 14x UHD(3840x2160p) [30Hz, 4K UHD)(3840x2160p) [25Hz, 1920x1080p) 60Hz, 1920x1080p) 50Hz  Sub monitor (HDM) Connector  [Main monitor] HDM 14x UHD(3840x2160p) [30Hz, 4K UHD)(3840x2160p) [25Hz, 1920x1080p) 60Hz, 1920x1080p) 50Hz  Sub monitor (HDM) Connector  [Main monitor] HDM 14x UHD(3840x2160p) [30Hz, 4K UHD)(3840x2160p) [25Hz, 1920x1080p) [46Hz, 1920x1080p) [46Hz, 1920x1080p) [46Hz, 1920x1080p) [46Hz, 1920x1080p) [46Hz,	Display Mode				
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Input/Output  Monitor (HDMI) Connector  [Main monitor] HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz [Sub monitor] HDMI 1920x1080p /60Hz, 1920x1080p /50Hz  Alarm/Control Terminal  [Alarm] Alarm input 4, Alarm output 1 [Control] +5 V output, Emergency recording input, General purpose input/output [Error / Warning] HDD error / Recording error output, Camera error output  Mouse Connection Port  1 (USB 2.0)  Network Port (PC)  1x 108ASE-T / 100BASE-TX / 1000BASE-T (RI45)  Network Port (Camera)  8x 10BASE-T / 100BASE-TX(RJ45), (RI45, PoE+), PoE Budget (8 port Total : Max 110 W, Each port Max : 30 W)  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network  Network Interface  10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate  64 Mbps  Maximum Bandwidth  Total 128 Mbps  Supported Protocol	Alarm Action				
Input/Output  Monitor (HDMI) Connector  [Main monitor] HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz [Sub monitor] HDMI 1920x1080p /60Hz, 1920x1080p /50Hz  Alarm/Control Terminal  [Alarm] Alarm input 4, Alarm output 1 [Control] +5 V output, Emergency recording input, General purpose input/output [Error / Warning] HDD error / Recording error output, Camera error output  Mouse Connection Port  1 (USB 2.0)  Network Port (PC)  1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Network Port (Camera)  8x 10BASE-T / 100BASE-TX(RJ45), (RJ45, PoE+), PoE Budget (8 port Total : Max 110 W, Each port Max : 30 W)  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network  Network Interface  10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate  64 Mbps  Maximum Bandwidth  Total 128 Mbps  Supported Protocol  IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Alarm Control	Reset			
Monitor (HDMI) Connector  [Main monitor] HDMI 4K UHD(3840x2160p) /30Hz, 4K UHD(3840x2160p) /25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz  [Sub monitor] HDMI 1920x1080p /60Hz, 1920x1080p /50Hz  Alarm/Control Terminal  [Alarm] Alarm input 4, Alarm output 1 [Control] +5 V output, Emergency recording input, General purpose input/output [Error / Warning] HDD error / Recording error output, Camera error output  Mouse Connection Port  1 (USB 2.0)  Network Port (PC)  1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Network Port (Camera)  8x 10BASE-T / 100BASE-TX / 100W, Each port Max : 30 W)  USB Storage  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network  Network Interface  10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate  64 Mbps  Maximum Bandwidth  Total 128 Mbps  Supported Protocol  IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Event log	1000			
Monitor (HDMI) Connector  [Main monitor] HDMI 4K UHD(3840x2160p) /30Hz, 4K UHD(3840x2160p) /25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz [Sub monitor] HDMI 1920x1080p /60Hz, 1920x1080p /50Hz  Alarm/Control Terminal  [Alarm] Alarm input 4, Alarm output 1 [Control] +5 V output, Emergency recording input, General purpose input/output [Error / Warning] HDD error / Recording error output, Camera error output  Mouse Connection Port  1 (USB 2.0)  Network Port (PC)  1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Network Port (Camera)  8x 10BASE-T / 100BASE-TX / 100WASE-T (RJ45, PoE+), PoE Budget (8 port Total: Max 110 W, Each port Max: 30 W)  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network  Network  Network Interface  10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate  64 Mbps  Maximum Bandwidth  Total 128 Mbps  Supported Protocol  IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Input/Output				
[Control] +5 V output, Emergency recording input, General purpose input/output [Error / Warning] HDD error / Recording error output, Camera error output  Mouse Connection Port 1 (USB 2.0)  Network Port (PC) 1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Network Port (Camera) 8x 10BASE-T / 100BASE-TX (RJ45), (RJ45, PoE+), PoE Budget (8 port Total : Max 110 W, Each port Max : 30 W)  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network Interface 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate 64 Mbps  Maximum Bandwidth Total 128 Mbps  Supported Protocol IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP		1920x1080p /50Hz			
Network Port (PC)  1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Network Port (Camera)  8x 10BASE-T / 100BASE-TX(RJ45), (RJ45, PoE+), PoE Budget (8 port Total : Max 110 W, Each port Max : 30 W)  USB Storage  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network Interface  10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate  64 Mbps  Maximum Bandwidth  Total 128 Mbps  Supported Protocol  IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Alarm/Control Terminal	[Control] +5 V output, Emergency recording input, General purpose input/output			
Network Port (Camera)  8x 10BASE-T / 100BASE-TX(RJ45), (RJ45, PoE+), PoE Budget (8 port Total : Max 110 W, Each port Max : 30 W)  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network Interface  10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate  64 Mbps  Maximum Bandwidth  Total 128 Mbps  Supported Protocol  IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Mouse Connection Port	1 (USB 2.0)			
PoE Budget (8 port Total : Max 110 W, Each port Max : 30 W)  USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device)  Network  Network Interface 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate 64 Mbps  Maximum Bandwidth Total 128 Mbps  Supported Protocol IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Network Port (PC)	1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)			
Network  Network Interface 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate 64 Mbps  Maximum Bandwidth Total 128 Mbps  Supported Protocol IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Network Port (Camera)				
Network Interface 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)  Maximum Recording Rate 64 Mbps  Maximum Bandwidth Total 128 Mbps  Supported Protocol IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	USB Storage				
Maximum Recording Rate 64 Mbps  Maximum Bandwidth Total 128 Mbps  Supported Protocol IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Network				
Maximum Bandwidth  Total 128 Mbps  Supported Protocol  IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Network Interface	10BASE-T / 100BASE-TX / 1000BASE-T (RJ45)			
Supported Protocol IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP	Maximum Recording Rate	64 Mbps			
	Maximum Bandwidth	Total 128 Mbps			
	Supported Protocol				

E-mail	Upon Alarm or Warning			
No. of Simultaneous Users	16 or less			
User Registration	Up to 32 users			
User Level	3 Levels (Programmable)			
Partitioning	User level - Camera (View & Control, No Access)			
Security Method	User authentication (ID and Password), Host authentication, Alteration detection, SSL/TLS			
Other Functions				
Time Synchronization	NTP (Server/Client)			
Summer Time	User definable (using menu setup)			
Remote Monitoring (Cloud service for P2P)	40 cameras or less Allows the PC full access to the multiple NU series NVRs.			
HDD				
Туре	3.5 inch			
Maximum Capacity	20 TB			
RAID	-			
ואו				
Viewer Software				
Playback Control	PLAY, Rev PLAY, Pause, FF, FR, Prev Record, Next Record, Prev Image, Next Image			
Additional Functions	[NX Viewer] Alteration detection, Save as JPEG, Two times zoom, Print, Copy, Aspect ratio switching, fish eye correction, corridor display			
Supported OS, Language	Language of the software will be English or Japanese			
General Specifications				
	W (W 60000 d)			
Safety / EMC Standard	UL (UL62368-1) c-UL (CAN/CSA C22.2 NO.62368-1) FCC (FCC Part15 Subpart B)			
Power Source	DC 54 V 2.78 A (included AC power adapter)			
Power Consumption	150 W (DC 54 V 2.78 A)			
Ambient Operating Temperature	Main body:  0 °C to +45 °C (32 °F to 113 °F)  Mouse (provided):  +5 °C to +40 °C (41 °F to 104 °F)  AC power adapter (provided):  0 °Cto+40 °C (32 °F to 104 °F)			
Ambient Operating Humidity	5 % to 90 % (without condensation)			
Maximum Operating Altitude	2,000 m (6,562 feet) above sea level			
Dimensions	340 mm(W) x 44 mm(H) x 230 mm(D) {13-3/8 inches (W) x 1-23/32 inches (H) x 9-1/16 inches (D)}			
Mass (approx.)	App 2.1 kg {4.6 lbs}			

### **NOTES**

#### Important

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

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## **OPTIONAL ACCESSORIES**

Select a compatible accessory

Accessory Selector (i-pro.com)



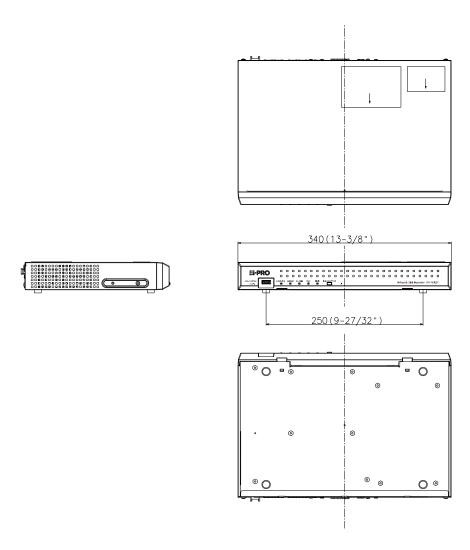
WV-QRM201 Wall mounting

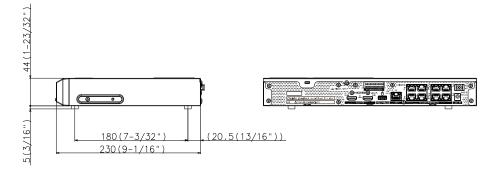


WV-QRM101 Mount Bracket



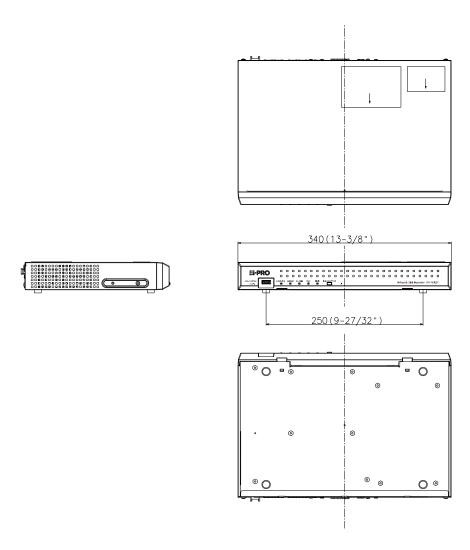
WV-QRM001 Mount Bracket

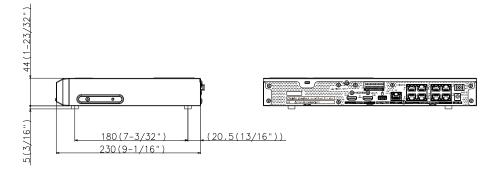




WJ-NU201KP WJ-NU201KG

Desktop installation





WJ-NU201KP WJ-NU201KG

Desktop installation