

KX-A4K8108PN3

8CH Compact 1U 8PoE 1HDD Lite NVR

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.



- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 6 × 1080p@30 fps.
- Max. 144/144/72 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 12 MP.
- AI by Recorder supports 4-channel SMD Plus.
- AI by Camera supports perimeter protection and SMD Plus.
- Supports one-click arming and disarming.



System	
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web, Local GUI
AI	
AI by Recorder	SMD Plus
AI by Camera	Perimeter protection; SMD Plus
Perimeter Protection	
Perimeter Performance of AI by Camera (Number of Channels)	4 channels
SMD Plus	
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
SMD Plus by Camera	4 channels
Audio and Video	
Access Channel	8 channels
Network Bandwidth	AI disabled: 144 Mbps incoming, 144 Mbps recording and 72 Mbps outgoing AI enabled: 72 Mbps incoming, 72 Mbps recording and 36 Mbps outgoing
Resolution	12 MP; 8 MP; 5 MP; 4 MP; 3 MP; 1080p; 720p; D1
Decoding Capability	AI disabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps; 6-channel 1080p@30 fps AI enabled: 1-channel 8 MP@30 fps; 1-channel 5 MP@30 fps; 2-channel 4 MP@30 fps; 4-channel 1080p@30 fps
Video Output	1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen Display	1/4/8/9
Third-party Camera Access	ONVIF
Compression Standard	
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG

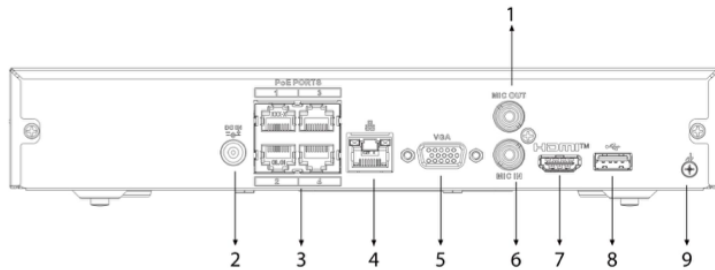
Audio Compression	G.711a; G.711u; PCM; G726;
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; UDP; NTP; DHCP; DNS; SMTP; IP Filter; DDNS; IP Search (Supports IP camera, DVR, NVS, etc.); P2P; Auto Registration
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 22.12(Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox
Recording Playback	
Multi-channel Playback	Up to 8 channels
Record Mode	General, motion detection; intelligent; alarm
Backup Method	USB device and network
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback
Alarm	
General Alarm	Motion detection; camera external alarm; PIR alarm
Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline
Intelligent Alarm	Perimeter protection; SMD Plus
Alarm Linkage	Recording; snapshot; buzzer; log; preset; email; tour
Port	
Audio Input	1-channel RCA
Audio Output	1-channel RCA
Alarm Input	NA (2 channels are optional)
Alarm Output	NA (1-channel 12 V 1 A output is optional)
HDD Interface	1 SATA port. Each disk can contain up to 20 TB. this limit varies depending on the environment temperature.
USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
HDMI	1
VGA	1
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)
PoE Port	8 ports, 10/100 Mbps, IEEE 802.3 af/at

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General	
Power Supply	53 VDC, 1.81 A
Power Consumption	Total output of NVR is <10 W (without HDD) Total output power of PoE is 72 W, the maximum output power of a single port is 25.5 W
Net Weight	0.89 kg (1.87 lb)
Gross Weight	2.05 kg (4.52 lb)
Product Dimensions	260.0 mm × 232.5 mm × 47.6 mm(10.24" × 9.15" × 1.87") (W × D × H)
Packaging Dimensions	374.0 mm × 119.0 mm × 311.0 mm(13.15" × 3.50" × 12.36")(W × D × H)
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	10%–93% (RH), non-condensing
Installation	Rack or desktop



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|----------------------------|---------------------------|
| 1 AUDIO OUT, RCA Connector | 2 Power Input |
| 3 PoE Ports | 4 Network Port |
| 5 VGA Port | 6 AUDIO IN, RCA Connector |
| 7 HDMI Port | 8 USB Port |
| 9 Ground | |