



16MP 32 Channel 1U NVR w/ Analytics

SKU: NVR32-4B-NCV

- Decoding of 2x at 16MP / 30FPS or 16x at 1080P / 30FPS
- Two-way Talk
- 16/4 Alarm In/Out with 1x RS485
- Max 4x 16TB Hard Drive Capacity
- Ultra 265, H.265, H.264 Video Compression



Smart Intrusion Prevention

Utilizing machine learning and data intelligence, Smart Intrusion Prevention or SIP helps reduce false-alarm rates by allowing you to set up Cross Line Detection, Intrusion Detection, as well as Enter / Leave Area, all which can do any combination of human/vehicle/non-motor vehicle recognition. Smart Intrusion Prevention's detection rate of >95% helps you improve your perimeter protection, reduce false alarms while keeping you informed about the events that matter the most to you.

Ultra Motion Detection

Utilizing machine learning and data intelligence, Ultra Motion Detection or UMD helps you filter out objects based on motion detection, detecting motion of specified object types in the image, and trigger an alarm when such motion is detected. UMD supports two different object types: Person and Vehicle. UMD provides a detection rate of >90% up to 49ft and is more efficient than traditional motion detection, further reducing false-alarms. Ultra Motion Detection can be configured to your full screen or specific area(s) for detection.

People Counting

The NVR32-4B-NCV detects and tracks target by using advanced image processing technology and deep learning algorithm. You can draw 4 polygon areas, and count people in each area; When the number of the people in the area is greater than or equal to/lower than or equal to the defined threshold, the alarm will be triggered.

Bandwidth

With a higher throughput of 320Mbps your IP network cameras can record at higher frame rates and resolutions without maxing out.

Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

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Human Detection

Human detection helps you filter out unimportant events by focusing on people. Configurable dependent on the device, cross line, intrusion, enter area, and leave area. Take solace in knowing that you won't get alarms for small animals, trees moving, or vehicles driving past. Can be configured to work simultaneously with Vehicle and Non-Motor Vehicle.

Vehicle Detection

Vehicle detection helps you filter out unimportant events by focusing on motor vehicles. Configurable dependent on the device, cross line, intrusion, enter area, and leave area. Take solace in knowing that you won't get alarms for small animals, trees moving, people or non-motor vehicles. Can be configured to work simultaneously with Non-Motor Vehicle and Human Detection.

Crowd Density

With deep learning algorithm, the NVR32-4B-NCV can detect the crowd density on the image, and display it on heat map; it can detect people quantity and density in selected area and set threshold. When the number or density is larger or smaller than the threshold, it triggers linkage.

Cross Line

Cross line detection is a feature that allows you to set virtual lines within the camera's field of view to trigger when an object crosses. This feature is particularly useful for monitoring perimeters, entrances, and other critical areas. This enhances your security by providing real-time notifications of potential events assisting in unauthorized access with quick responses.

Scene Change

Scene Change detection is an intelligent feature that monitors for specific alterations in the camera's field of view. This feature alerts the users when the camera's perspective suddenly changes. This helps alert and notify users of potential tampering or attempting to obstruct the camera view making it valuable for retail security, public spaces, and critical infrastructure protection.

Defocus Detection

Defocus detection is crucial for maintaining high-quality video evidence by sending real-time alerts when a camera becomes defocused. Preventing blurred and unusable surveillance footage, defocus detection helps enhance the reliability and effectiveness your your security systems.

Enter Area

Enter Area detection allows users to define specific areas and receive notifications when an object enters that defined area and meets specific criteria and sends notifications when rules are triggered.

Leave Area

Leave Area detection allows users to define specific areas and receive notifications when an object leaves that specified area and meets specific criteria and sends notifications when rules are triggered.

ULTRA 265 Compression

Utilizing H.265 advanced video encoding, provides high-quality video while reducing the storage space needed to retain your video events. Users can add their own memory card to take advantage of its edge recording capabilities.

NDAA Compliance

The John S. McCain National Defense Authorization Act (NDAA) is a United States federal law which specifies the budget, expenditures and policies of the U.S. Department of Defense. For Fiscal Year 2019, the NDAA Section 889, prohibits the U.S. government from procuring video and telecommunication equipment from certain Chinese companies and their subsidiaries. Some non government projects may require NDAA compliance if federal funding is being used.

Product Specifications

VIDEO/AUDIO INPUT	
IP Video Input	32-ch
Audio Input	1-ch, RCA

NETWORK	
Incoming Bandwidth	320Mbps
Outgoing Bandwidth	160Mbps
Remote users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP,SMTP, RTSP, 802.1x, IPV6, IPV4
Browser	IE(IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome(version 45 and above) for Windows Edge(version 79 and above) for Windows

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Product Specifications Cont.

VIDEO/AUDIO OUTPUT	
HDMI / VGA Output	HDMI: 4K (3840 x 2160)@30, 1920 x 1080p@60, 1920 x 1080p@50, 1600 x 1200@60, 1280 x 1024@60, 1280 x 720@60, 1024 x 768@60 VGA: 1920 x 1080p@60, 1920 x 1080p@50, 1280 x 1024@60, 1600 x 1200@60, 1280 x 720@60, 1024 x 768@60
Recording Resolution	16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 960p / 720p / D1 / 2CIF / CIF
Audio Output	1-ch, RCA
Two-way Audio	1-ch, RCA(Using the audio input and output)
Audio Compression	G.711A, G.711U
Synchronous Playback	16-ch
Liveview Display	1 / 4 / 6 / 8 / 9 / 16 / 25 / 32
Corridor Mode Screen	3 / 4 / 5 / 7 / 9 / 10 / 12 / 16 / 32

SNAPSHOT	
FTP / Schedule / Event Snapshot	4-ch snapshot, up to D1 resolution

DECODING	
Decoding format	Ultra 265 / H.265 / H.264
Live View/Playback	16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 960p / 720p / D1 / 2CIF / CIF
Capability	Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30, 32 x 960P@25 H.264: 2 x 16MP(4800 x 2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30, 14 x 1080P@30, 30 x 720P@30, 32 x D1

HARD DISK	
SATA	4 SATA interfaces
Capacity	Up to 16TB for each disk (The maximum HDD capacity varies with environment temperature)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 1, 5

SMART	
VCA Search	Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map
VCA Detection by Camera	Face Detection, Vehicle Detection, Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Temperature Detection(Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), UMD(Ultra Motion Detection), Video Metadata, Traffic Monitoring
People Counting	People Flow Counting, Crowd Density Monitoring
Intelligence by Camera	Smart Intrusion Prevention (8ch), Ultra Motion Detection (8ch), Vehicle Detection (8ch), Video Metadata (8ch)

GENERAL ALARM	
General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal

EXTERNAL INTERFACE	
Network Interface	2 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface
USB Interface	Front: 1 x USB2.0, Rear panel: 1 x USB3.0, 1 x USB2.0
RS232	NA
RS485	1
Alarm In	16-ch
Alarm Out	4-ch

GENERAL	
Power Supply	12V DC/5A Power Consumption: ≤ 20W (without HDD)
Working Environment	+14°F~+131°F, Humidity ≤ 90% RH (non-condensing)
Dimensions (W×D×H)	17.3" × 13.5" × 1.9"
Weight (without HDD)	7.5lbs

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Product Specifications Cont.

CERTIFICATION	
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

Additional Products



OPTIVIEW's VIDEO MONITORING SOFTWARE
Remote Monitoring



SURVEILLANCE DRIVES
4TB / 8TB / 10TB



IP8MIAD-212AI-NCV
8MP Armor Dome Varifocal w/ Analytics



IP8MIBC-212-NCV
8MP 4K Varifocal Bullet w/ Analytics



IP2MPTZ4SIRD-NCV
2MP Dual Lens Active Deterrent PTZ

Backplate

