



32 CHANNEL 4K 1U NVR WITH ANALYTICS

SKU: NVR32-2B-NCV

- Intelligent Features Enabled by IPC
- Decoding of 2x at 16MP/30FPS or 32x at 960P/30FPS
- Two Way Talk with 1/1 Audio In/Out
- 8/2 Alarm In/Out with 1x RS485
- Max 2x 10TB Hard Drive Capacity
- Ultra 265, H.265, H.264 Video Compression



NCV SERIES



Smart Intrusion Prevention



Ultra Motion Detection



People Counting



16MP / 4K IP

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.

People Counting

The NVR32-2B-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.

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.

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.

Spec Sheet: NVR32-2B-NCV

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Dewarp

With wider view cameras comes increasing image distortion. Dewarp allows real-time conversion of wide-angle images into clear flat views. With multiple view options, configure your view to exactly the points of interests you care about the most.

Product Specifications

DECODING	
Decoding Format	Ultra 265, H.265, H.264
Decoding 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*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
Audio Compression	G.711A, G.711U

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; IPV6
Browser(Plugin)	Windows:IE(IE10/11), Firefox (version 52.0 and above), Chrome(version 45 and above), Edge(version 79 and above)

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

VIDEO / AUDIO OUTPUT	
HDMI Output	HDMI: 4K(3840 x 2160) / 30Hz, 1920 x 1080 / 60Hz, 1920 x 1080 / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
VGA Output	VGA: 1920 x 1080 / 60Hz, 1920 x 1080 / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
RCA Audio Output	1-ch
Liveview Display	1 / 4 / 6 / 8 / 9 / 16 / 25 / 32
Corridor Mode Screen	3 / 4 / 5 / 7 / 9 / 10 / 12 / 16 / 32

RECORDING	
Recording Resolution	16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P / D1 / 2CIF / CIF
Synchronous Playback in Local	16-ch

TWO-WAY AUDIO	
Two-way Audio	1-ch, RCA(Using the audio input and output)

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

SMART	
VCA Detection by IPC	Smart Intrusion Prevention, Vehicle Detection, Ultra Motion Detection, Video Metadata, Traffic Monitoring, Human Detection, Vehicle Detection, Non-Motor Vehicle Detection, Intrusion, Cross Line, Enter Area, Leave Area, Temperature Detection, People Counting, Dual Lens, Dewarp, License Plate Recognition, Scene Change, Object Left Behind, Object Removed, Auto Tracking, Defocus Detection
VCA Search	Motor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report
Smart by IPC	All channels (up to 8 images/s in total) Face Detection, Vehicle Detection, Temperature Detection, Smart Intrusion Prevention, Ultra Motion Detection, Video Metadata, Traffic Monitoring

ALARM	
General Alarm	Defocus Detection; Scene Change Detection; Object Left Behind; Object Removed; Auto Tracking; Motion Detection; 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

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Product Specifications Cont.

GUI LANGUAGE	
GUI Language	38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian

HARD DISK	
SATA	2 SATA Interfaces
Capacity	Up to 16TB for each HDD
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 1

EXTERNAL INTERFACE	
Network Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB	Front: 1 x USB2.0; Rear panel: 1 x USB2.0, 1 x USB3.0
RS485	1
RS232	N/A
Alarm In	8-ch
Alarm Out	2-ch
Power Supply	DC 12V/3A
Power Switch	Support

WORKING ENVIRONMENT	
Working Temperature	14 °F ~ 131 °F
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 20W

DIMENSIONS	
Weight (without HDD)	4.40lb
Dimensions	15.0" × 12.4" × 2.1"

CERTIFICATIONS	
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



IP4MIAB-28-SDAM-NCV
4MP IP Armor Ball Camera w/ Built-in Mic



IP8MIAD-28A-NCV
8MP Fixed Armor Dome IP Camera w/ Mic



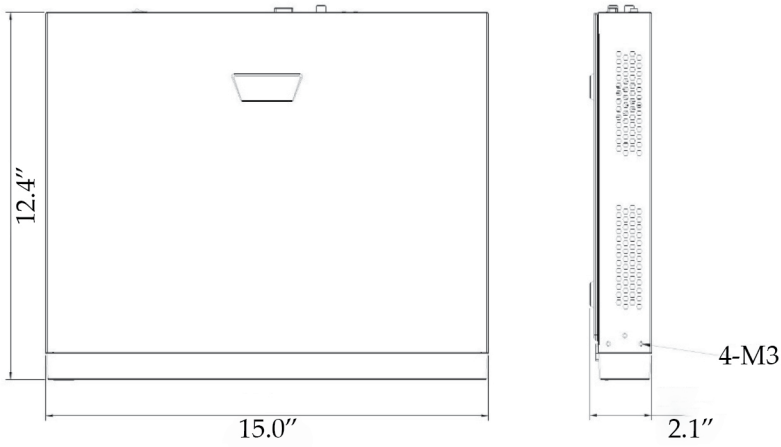
IP5MPTZ-4XAD-NCV
5MP Mini PTZ w/ Active Deterrence

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Dimensions



Backplate

