OPTIVIEW

ANALYTICS

NDAA COMPLIANT

NVR4P44K-1-NCV

4 Channel 4K NDAA Compliant NVR with Analytics

4K IP

Capture HD with up to 4K Resolution for Preview and Playback

Smart Intrusion Prevention

Significantly reduce false alarms by accurately detection human and vehicle detection in zones.

ANR

Automatic Network Replenishment (ANR) Technology helps provide backup NVR redundancy

Ultra Motion Detection

Human and Vehicle detection accuracy enhanced reducing false alarms and enhancing security.

Ultra 265

Ultra 265 helps you save up to 95% storage space and up to 75% storage cost.

4K RESOLUTION

4K resolution captures images four times the pixel density of 1080P which means that the finer details, such as faces or smaller items can be viewed with more detail than traditional 1080P surveillance.

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.

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.

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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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.

PRODUCT SPECIFICATIONS

VIDEO / AUDIO INPUT	
IP Video Input	4-ch

NETWORK	
Incoming Bandwidth	64Mbps
Outgoing Bandwidth	48Mbps
Remote Users	128
Protocols	P2P, UPnP, NTP, DHCP, PPPoE

VIDEO / AUDIO OUTPUT	
HDMI / VGA 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: 1920 x 1080 / 60Hz, 1920 x 1080 / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
Recording Resolution	4K / 5MP / 4MP / 3MP / 1080p / 960p / 720p / D1 / 2CIF / CIF
RCA Audio Output	1-ch
Audio Compression	G.711A, G.711U
Synchronous Playback	4-ch
Liveview Display	1/4
Corridor Mode Screen	3/4

SNAPSHOT	
FTP / Schedule / Event Snapshot	1-ch snapshot, up to D1 resolution

DECODING	
Decoding format	Ultra 265 / H.265 / H.264
Liveview / Playback	4K / 5MP / 4MP / 3MP / 1080p / 960p / 720p / D1 / 2CIF / CIF
Capability	1 x 4K@30, 1 x 5MP@30, 2 x 4MP@30, 4 x 3MP@25, 4 x 1080p@30

SMART	
VCA Detection by Camera	Smart Intrusion Prevention, Face Detection, Ultra Motion Detection, Human Detection, Vehicle Detection, Non-Motor Vehicle Detection, Intrusion, Cross Line, Enter Area, Leave Area, Audio Detection, Auto Tracking
VCA Search	Face Search, Behavior Search
Smart Intrusion Prevention (SIP), UMD by Camera	Total 4-ch

ALARM	
General Alarm	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	21 languages: Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian

HARD DISK	
SATA	1 SATA interface
Capacity	up to 10TB for each disk

EXTERNAL INTERFACE	
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet Interface
USB Interface	Rear panel: 2 x USB2.0
RS232	NA
RS485	NA
Alarm In	NA
Alarm Out	NA

POE	
Interface	10M/100M self-adaptive Ethernet Interface
Max Power	Max 30W for single port, Max 54W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af

WORKING ENVIRONMENT	
Working Temperature	14 °F ~ 131 °F
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 9W

DIMENSIONS	
Weight (without HDD)	2.43lb
Dimensions (W×D×H)	10.2” × 9.4” × 1.8”

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

NVR16P164K-2-NCV
16 Channel 16 PoE 4K NDAA Compliant NVR

SURVEILLANCE DRIVES
4TB / 8TB / 10TB

IP4MIAB-28-SDA-NCV
4MP NDAA Compliant Armor Ball Camera

IP4MIAD-212-Z-NCV
4MP NDAA Compliant Armor Dome Camera

IP5MIBC-28-SDA-NCV
5MP NDAA Compliant Bullet Camera

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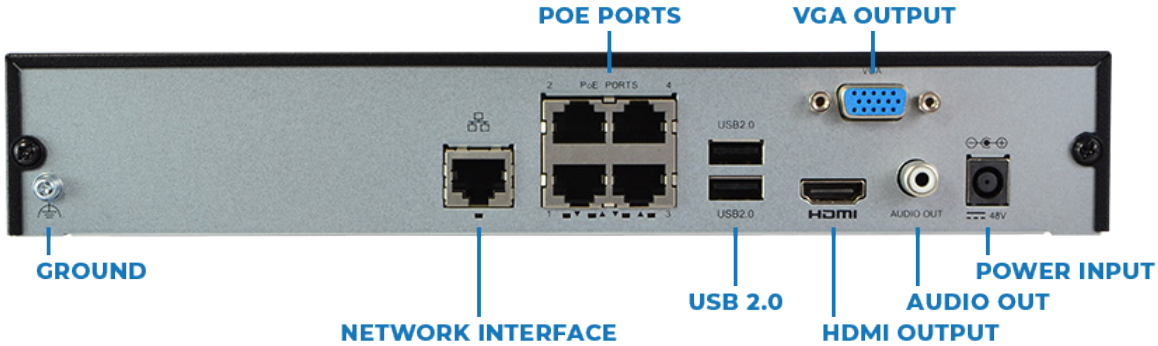
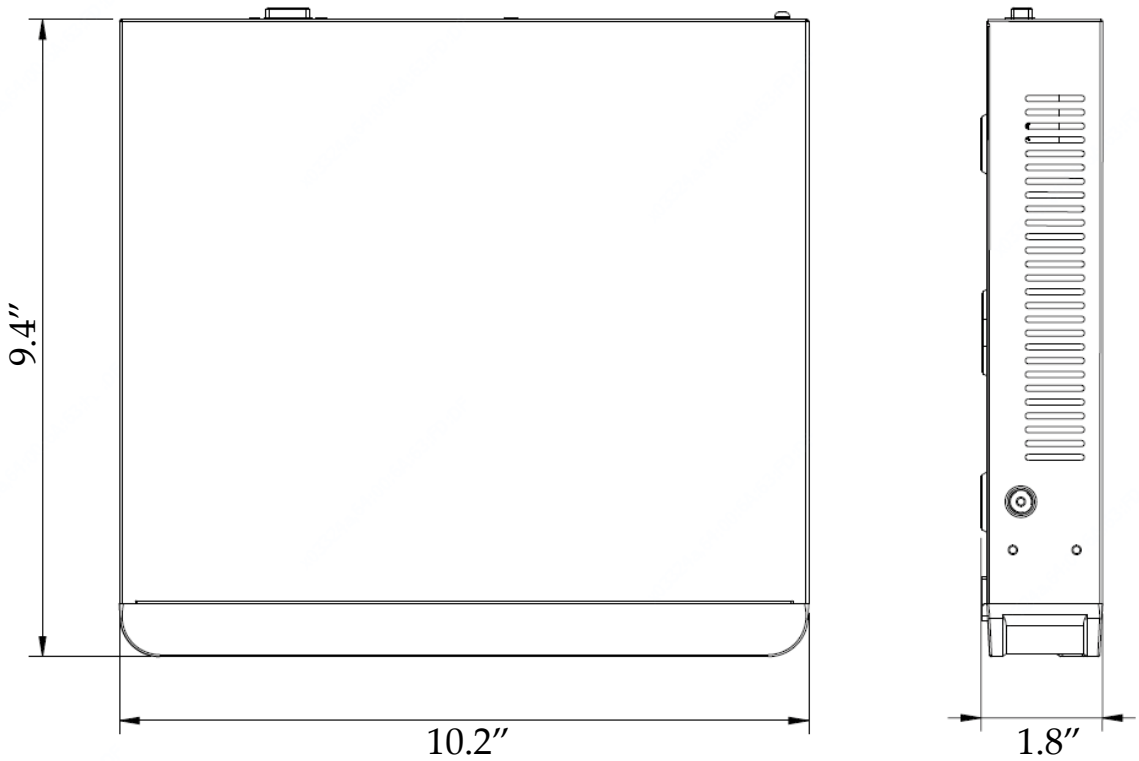
REAR PANEL



DIMENSIONS