CASE
CANADA SECURITY

CS-N24160 NR

24HDD 160ch NVR

Intelligent Series

6 Years WARRANTY

24/7 Support

NDAA COMPLIANT

KEY FEATURES

- Up to 160-ch IP camera accesses
- Incoming/Outgoing bandwidth: 800Mbps/400Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 16MP(30fps)×3 or 1080P(30fps)×28
- Up to 16 channels-ch synchronous playback
- Up to 24 TB capacity for each HDD
- Independent HDMI1 and HDMI2 outputs; Simultaneous HDMI1 and VGA1 outputs
- HDMI output at up to 4K resolution
- 4×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
- S+ 265 compression effectively reduces the storage space by up to 75%
- Support cloud upgrade

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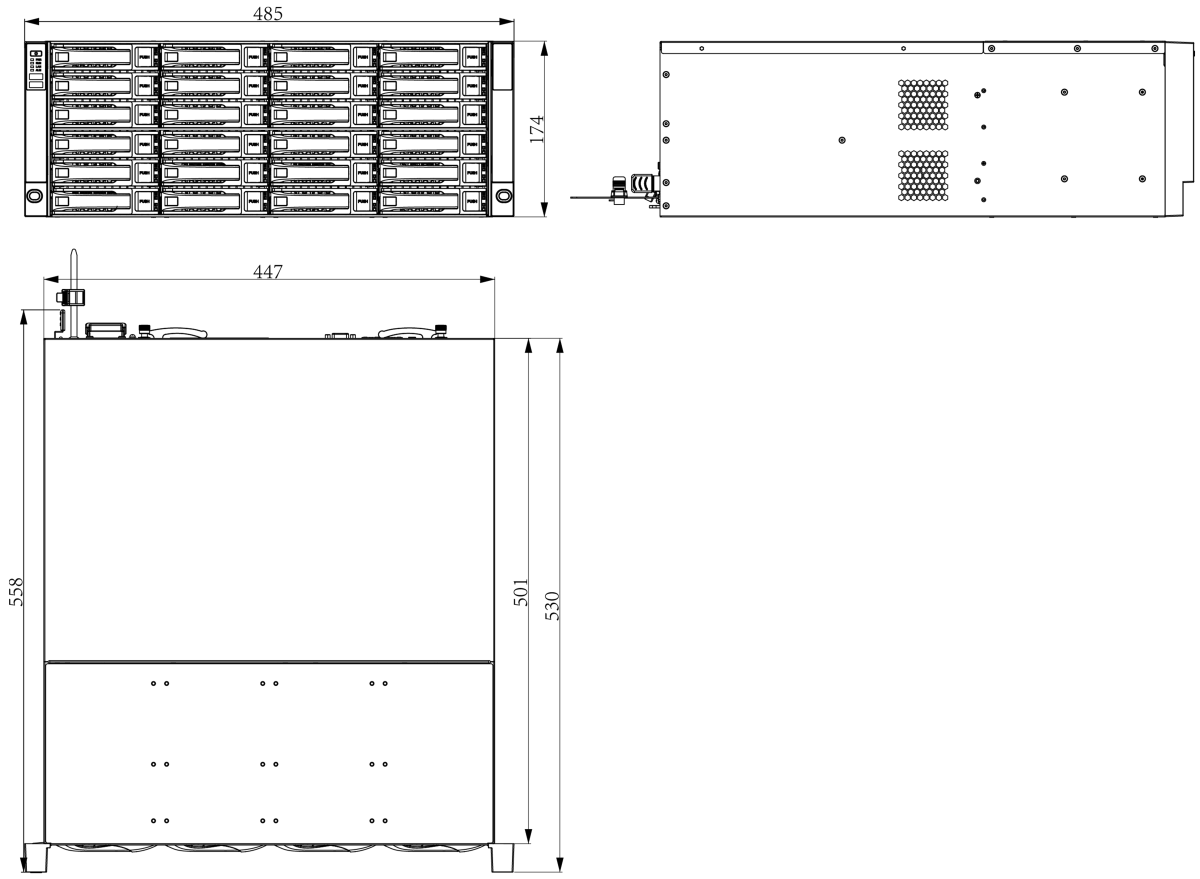
SPECIFICATIONS

Video and Audio	
Access Channel	160
Incoming Bandwidth	800Mbps
Outgoing Bandwidth	400Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability	16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×7, 6MP(30fps)×9, 5MP(30fps)×11, 4MP(30fps)×14, 3MP(30fps)×18, 1080P(30fps)×28, 720P(30fps)×56, 4CIF(30fps)×80
Playback Decoding Capability	16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×16, 720P(30fps)×16
Third-party Camera Access	ONVIF(Profile S/T); RTSP
HDMI Output	HDMI: 800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz), 2560×1440(30Hz/60Hz), 2560×1600(60Hz), (4K)3840×2160(30Hz/60Hz)
VGA Output	VGA: 800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz)
Multi-screen Display	Independent Output: HDMI1/VGA1: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40/64/80 HDMI2: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40/64/80
Audio Input	1-ch, 3.5mm
Audio Output	1-ch, 3.5mm
Two-Way Audio	1-ch, 3.5mm, using the audio input
Compression Standard	
Video	S+265; H.265; S+264; H.264
Audio	G711A; G711U; AAC; ADPCM_DIV4
Stream Type	Video; Video & Audio
Network	
Network Protocol	802.1X; ARP; DDNS; DHCP; DNS; Easy DDNS; FTP; HTTP; HTTPS; ICMP; IGMP; IPv4; IPv6; Multicast; NFS; NTP; PPPoE; QoS; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP v1/v2/v3; SRTP; SSH; SSL; TLSv1.2; TCP; UDP; Unicast; UPnP
Mobile Phone Access	Android; iOS; P2P
System Compatibility	ONVIF(Profile S/T/G); RTSP; CGI; SDK; P2P
Browser	IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Recording Playback	
Multi-channel Playback	Up to 16 channels
Record Mode	Manual Recording; Alarm Recording; Schedule Recording
Storage Method	Local HDD
Backup	USB storage device, Network
Playback Function	Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/Digital Zoom
Alarm	
General Alarm	Motion Detection; Mask Alarm; Alarm Input(IPC); Alarm Input(NVR)

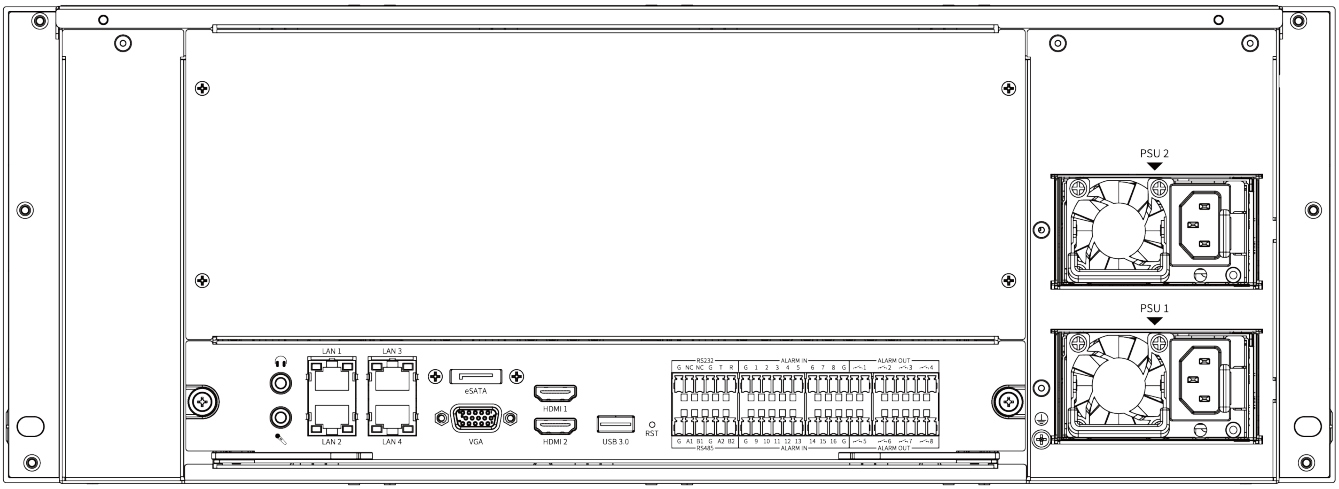
Exceptions Alarm	Video Loss; Network Disconnected; No Disk; Illegal Access; Disk group space alert; Disk Full; Disk R/W Error; Recording Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; Hot-spare Exception; Array Exception; Voltage Alarm(IPC); RTC Failure; IP Address Conflict; MAC Address Conflict
Intelligent Analytics	
AI by Camera	Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Running; Parking; Heatmap; Loitering; Video Abnormal; Audio Abnormal; License Plate Recognition; On Duty Detection; Crowd Detection; Parking Guard; Safety Helmet Detection; Electric Bicycle Detection; People Counting; Link to Tracking; Smoke and Fire Detection; Environmental Temperature Measurement; Face Detection; Human Body Temperature Measurement; Smart Alarm; Face Recognition; Human/Vehicle Classification
VCA Search	Heatmap; Early-warning Search; Behavior Search; License Plate Search; Safety Helmet Search; Thermographic Retrieval; Duty Search; Electric Bicycle Retrieval; Face Search
Face Detection	
Face Attributes	Gender; Age; Glasses; Face Mask; Body Temp.
Face Recognition	
Face Picture Library	Up to 300 face libraries Up to 100000 base images
Face Picture Comparison	Yes (Cooperate with facial recognition IPC)
Storage	
HDD Capacity	Up to 24 TB capacity for each HDD
Disk Group	16 Disk Group
RAID	JBOD, RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60 (To enable RAID, please use surveillance-grade AI disks or enterprise-class disks.)
Hot Swapping	Yes
External Port	
eSATA	1×eSATA
USB	2×USB2.0; 1×USB3.0
HDMI	2×HDMI(supports up to 4K resolution output)
VGA	1×VGA
Network Interface	4×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
SATA	24×SATA interface
RS232	1×RS232
RS485	2×RS485
Alarm I/O	16-ch, TTL inputs, 3mA, 3.3VDC; 8-ch, relay outputs, 1A, 24VDC
General	
UI Language	Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian; Indonesian; Greek
Power Supply	100~240V AC; Redundant Power Supply
Power Consumption	<45W(HDD not included, idling)
NetWeight	17.6Kg
GrossWeight	20.55Kg

Boundary Dimensions	530(L)484.5(W)174.5(H)mm
Package Dimensions	780(L)710(W)330(H)mm
Operating Temperature	-10°C~+55°C (+14°F~+131°F)
Operating Humidity	10%~90%RH (non-condensing)
Storage Temperature	-20°C~+60°C (-4°F~+140°F)
Package Kit	Network Video Recorder×1; Screw Pack×1; Mouse×1; European Standard Power Cord×1; Instructions×1; Parts List×1

DIMENSIONS (Unit: mm)



Physical Interfaces



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