

Network Video Recorder

NVR501-16E-IX-G



Smart
search

NDAA
COMPLIANT
NDAA Compliant

Features

- Support Ultra H.265/H.265/H.264 video formats
- 16-channel input
- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support SeekFree function
- Supports external USB keyboards
- Supports Video Metadata, Diverse Algorithms by NVR
- Support cloud upgrade

Specifications

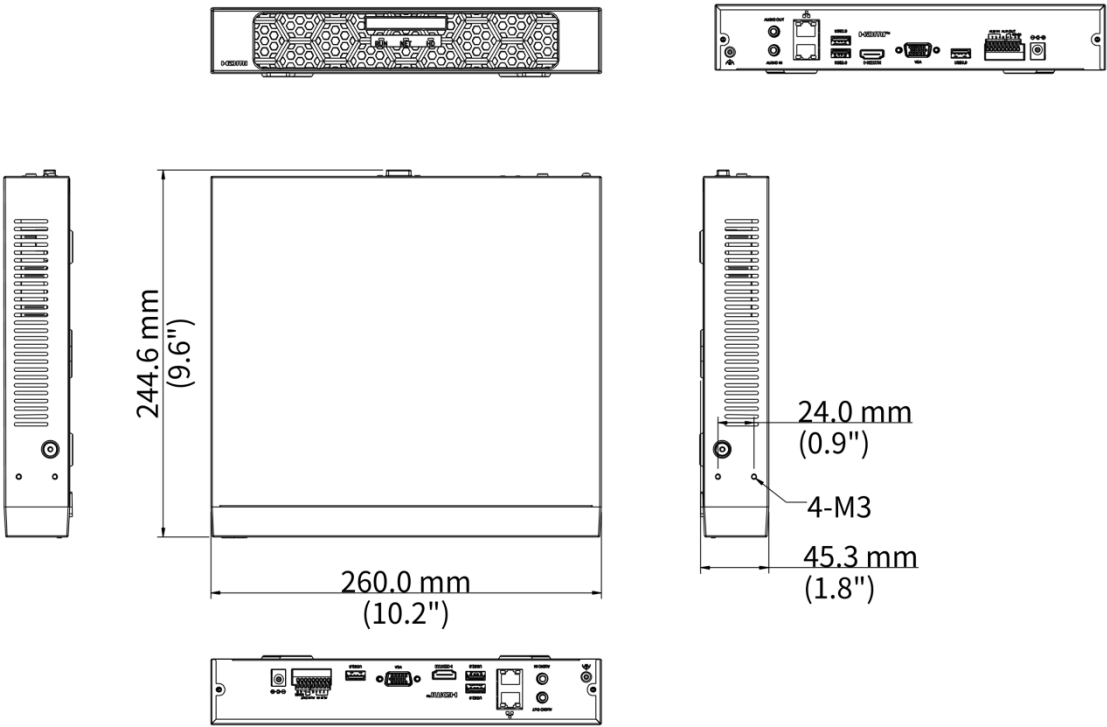
Model	NVR501-16E-IX-G
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	H264: 2 x 16MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30 H265: 2 x 16MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30,
Audio Compression	G.711A, G.711U
Network	
Incoming Bandwidth	192 Mbps
Outgoing Bandwidth	192 Mbps
Max Users Can Be Added	32

Max Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, SNMP, IPv6, IPv4, HTTPS, SMTP, NFS
Browser (Plugin)	Chrome 45+, Edge 79+, Firefox 52+
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+
Video/Audio Input	
IP Video Input	16-ch
3.5mm Audio Input	1-ch
Video/Audio Output	
Video Output	Support 1-ch HDMI, 1-ch VGA, HDMI and VGA simultaneous output
HDMI Output	4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1280 × 720/60 Hz
VGA Output	1920 × 1080/60 Hz, 1280 × 720/60 Hz
HDMI Standard	HDMI2.0
Liveview Display	1/4/6/8/9/16
Default Num of Live Screen	16
3.5mm Audio Output	1-ch
Corridor Mode Screen	3/4/5/7/9/10/12/16
Playback Screen	1/4/9/16
Corridor Mode Screen of Playback	1/3
Snapshot	
FTP/Schedule/Event Snapshot	16-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)
Recording	
Recording Resolution	16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF
Num of Concurrent Playback	32-ch
Synchronous Playback in Local	16-ch
Smart Function	
VCA Detection by IPC	Face Detection, Face Comparison, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD), Temperature Detection (Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), People Counting (People Flow Counting, Crowd Density Monitoring), Video Metadata, Traffic Monitoring
Smart by IPC	All channels (up to 16 images/s in total) Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring
Smart by NVR	Face Detection, Face Comparison, Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring), Behavior Analysis, Elevator Entrance Detection, Illegally Parked Motor Vehicle, Evacuation Route Obstruction
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Search by text, AcuSearch
SeekFree	
SeekFree Performance	All channels with UNV SIP/UMD Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)

SeekFree Language	English
face detection	
face detection by NVR	Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Search by Image	Support
Plate Comparison	
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
SIP	
SIP by NVR with normal cameras	16-ch
UMD	
UMD by NVR with normal cameras	N/A
analysis	
analysis with normal cameras	16-ch
analysis Type	No Helmet Detection, No Chef Hat Detection, No Work Clothes Detection, Smoking Detection, Smoke and Fire Detection, Calling Detection, No Mask Detection, Rat Detection, Long Stay Detection, Fall Detection, Fight Detection, Absence Detection, People Counting, Climbing Detection, Sleep on Duty Detection, Using Mobile Phone Detection, People Gathering, People Dispersion, Quick Moving
Video Metadata	
Video Metadata by NVR with normal cameras	Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Video Metadata Type	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color
Capacity of Smart Snapshots	
Intelligent Mark by IPC	Support
Capacity of Snapshot Records	2 millions records for face snapshot, 2 millions records for vehicle snapshot
Alarm	
General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Audio Detection, Alarm Input
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal
Num of Concurrent Processing Alarms	One every 5 seconds
Hard Disk	
SATA	1 SATA Interface
Capacity	Up to 16 TB for each HDD
External Interface	
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
Network Working Mode	Muli-access, load balance, network fault-tolerance
USB	Rear panel: 2 × USB2.0, Rear panel: 1 × USB3.0

RS485	1
Alarm In	4-ch
Alarm Out	2-ch
Buzzer	Support
Power Supply	DC 12 V/5 A
Working Environment	
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	≤ 95% RH (non-condensing)
Power Consumption (without HDD)	≤25W
Heat Dissipation	Fan, Radiator
Dimensions	
Weight (without HDD)	1.87 KG
Height	1U
Dimensions	260mm × 244.6mm × 45.3mm (10.2" × 9.6" × 1.8")
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
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
Compliance	
NDAA Compliant	Support
Feature Supported	
Output Mode	Support
Others	
Decoding Capability (1080P)	16

Dimensions



Accessories

RM-1U-260		
1 HDD 1U NVR Rack Mount		
		

Unlimited New View

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