

Network Video Recorder NVR502-32E-IX-G



Features

- Support Ultra H.265/H.265/H.264 video formats
- Support 32-channel input
- Support 2-ch HDMI, 2-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support HDMI and VGA independent output
- Support up to 16 Megapixels resolution recording
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Support SeekFree function: up to 16-ch with 3rd party IPC, up to 32-ch with UNV SIP/UMD IPC
- Support external USB keyboards
- Support Video Metadata, Diverse Algorithms by NVR
- Support cloud upgrade

Specifications

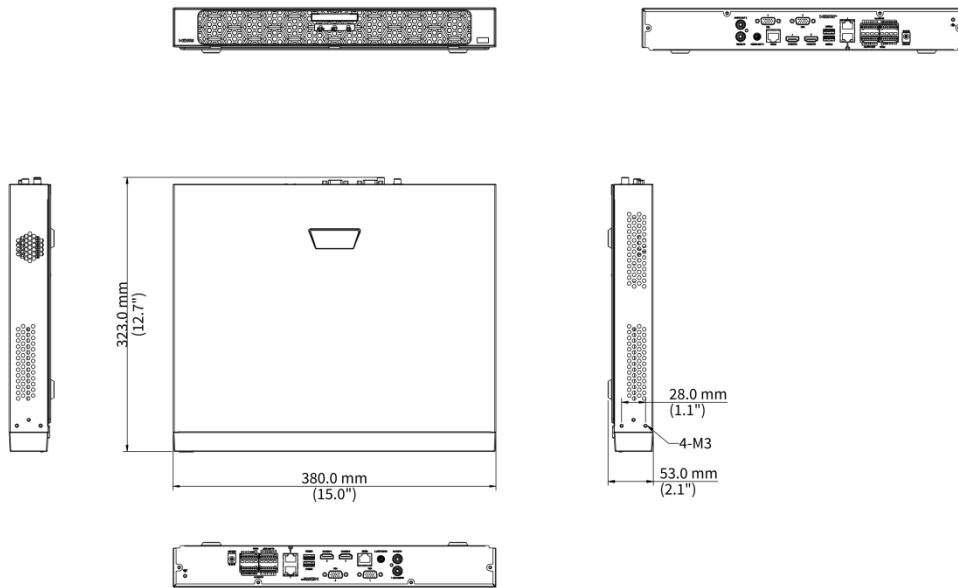
Model	NVR502-32E-IX-G
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	Smart Off: H265: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 20 x 3MP@30, 32 x 1080P@30 H264: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 20 x 3MP@30, 32 x 1080P@30 Smart On: When Smart by NVR on, 16 x 1080P@30 decoding capacity will be consumed.
Decoding Capability Description	The resolution of each channel cannot exceed 4096 pixels in length or width
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, SMTP, NFS, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, SNMP, IPv6, IPv4, HTTPS
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+
Video/Audio Input	
IP Video Input	32-ch
RCA Audio Input	1-ch
Peripheral Input	
Ip Speaker	16-ch
POS	All channels
Video/Audio Output	
Video Output	Support 2-ch HDMI, 2-ch VGA, HDMI1 and VGA1 simultaneous output, HDMI2 and VGA2 simultaneous output, HDMI1/VGA1 and HDMI2/VGA2 independent output
HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1280 × 720/60 Hz,
VGA Output	1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
HDMI Standard	HDMI1.4
RCA Audio Output	2-ch
Liveview Display	1/4/6/8/9/16/25/32
Default Num of Live Screen	32
Corridor Mode Screen	3/4/5/7/9/10/12/16/32
Playback Screen	1/4/9/16
Corridor Mode Screen of Playback	1/3
Two-way Audio	

Two-way Audio	1-ch, RCA (Using the audio input and output)
Snapshot	
FTP/Schedule/Event Snapshot	16-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)
Recording	
Recording Resolution	32 MP/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	
Smart by IPC	All channels (up to 16 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring, People Counting
Smart by NVR	Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Behavior Analysis, Elevator Entrance Detection, Illegally Parked Motor Vehicle, Evacuation Route Obstruction, People Counting (People Flow Counting, Crowd Density Monitoring), Video Metadata, Plate Comparison
Smart by NVR Analyzer Mode	Mixed Mode (SIP+Behavior Analysis+People Counting), Mixed Mode (Face Recognition+Mixed-Traffic Detection+AcuSearch/AcuTrack), Modes cannot active simultaneously, only one mode can active at a time.
VCA Search	Face Snapshot Search, Face Comparison Search, Behavior Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, SmartSearch+, AcuSearch, AcuTrack, SeekFree
AcuSearch	
Acu Search 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)
AcuTrack	
Acu Track 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	
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	All channels with UNV Face Detection Camera, 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
SIP	
SIP 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)
analysis	
analysis with normal cameras	Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
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, Climbing Detection, Sleep on Duty

	Detection, People Counting, Using Mobile Phone Detection, People Gathering, People Dispersion, Quick Moving, No Reflective Clothing Detection
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
Plate Comparison	
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
Capacity of Smart Snapshots	
Capacity of Snapshot Records	2 millions records for face snapshot, 2 millions records for behavior analysis and SIP, 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, Array Damaged, Array Degraded
Hard Disk	
SATA	2 SATA Interfaces
Capacity	Up to 24 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size, The environment temperature for use should not exceed 40°C.)
Disk Group	Support
Redundant Storage	Support
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	Front panel: 1 × USB2.0, Rear panel: 2 × USB3.0
RS485	1
RS232	1
Alarm In	16-ch
Alarm Out	4-ch
Power Output	12 V
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	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤25W
Heat Dissipation	Fan, Radiator
Dimensions	

Weight (without HDD)	1.87 KG
Height	1U
Dimensions	380mm × 322.4mm × 53mm (15.0" × 12.7" × 2.1")
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
Feature Supported	
Downlink ONVIF	Support (Profile S)
Uplink ONVIF	N/A
NAS	Support
Ucode Basic Mode	Support
Ucode Advanced Mode	Support
Compliance	
NDA Compliant	Support

Dimensions



Unlimited New View

Zhejiang Uniview Technologies Co., Ltd.



<http://www.uniview.com>



overseasbusiness@uniview.com; globalsupport@uniview.com



No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.

Despite our best efforts, technical or typographical errors may exist in this document. Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.