

Network Video Recorder

NVR-502-32IQ2ST



Features

- Support Ultra H.265/H.265/H.264 video formats
- 32-channel input
- Supports mainstream cameras of ONVIF conformance (Profile S, Profile G, Profile T) and RTSP protocols
- Support 2-ch HDMI, 2-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support HDMI and VGA independent output
- Up to 32 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

Specifications

Model	NVR-502-32IQ2ST
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, 16 x 3MP@30, 16 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, 16 x 3MP@30, 16 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
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+
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
Live view Display	1/4/6/8/9/16/25/32(default)
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)
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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, IQM, 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+TargetSearch/TargetTrack), 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+, TargetSearch, TargetTrack, Search by Text

TargetSearch

TargetSearch Performance	All channels with Videosec SIP/IQM Camera, Up to 16-ch with normal camera (Videosec and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
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TargetTrack

TargetTrack Performance	All channels with Videosec SIP/IQM Camera, Up to 16-ch with normal camera (Videosec and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
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Search by Text

Search by Text Performance	All channels with Videosec SIP/IQM Camera, Up to 16-ch with normal camera (Videosec and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Search by Text Language	English

Face Comparison

Face Comparison by NVR	All channels with Videosec Face Detection Camera, Up to 16-ch with normal camera (Videosec and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Face Picture Library	Up to 16 face picture libraries, with up to 100,000 face pictures in total
Search by Image	Support

Plate Comparison

Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
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SIP

SIP by NVR with normal cameras	Up to 16-ch with normal camera (Videosec and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
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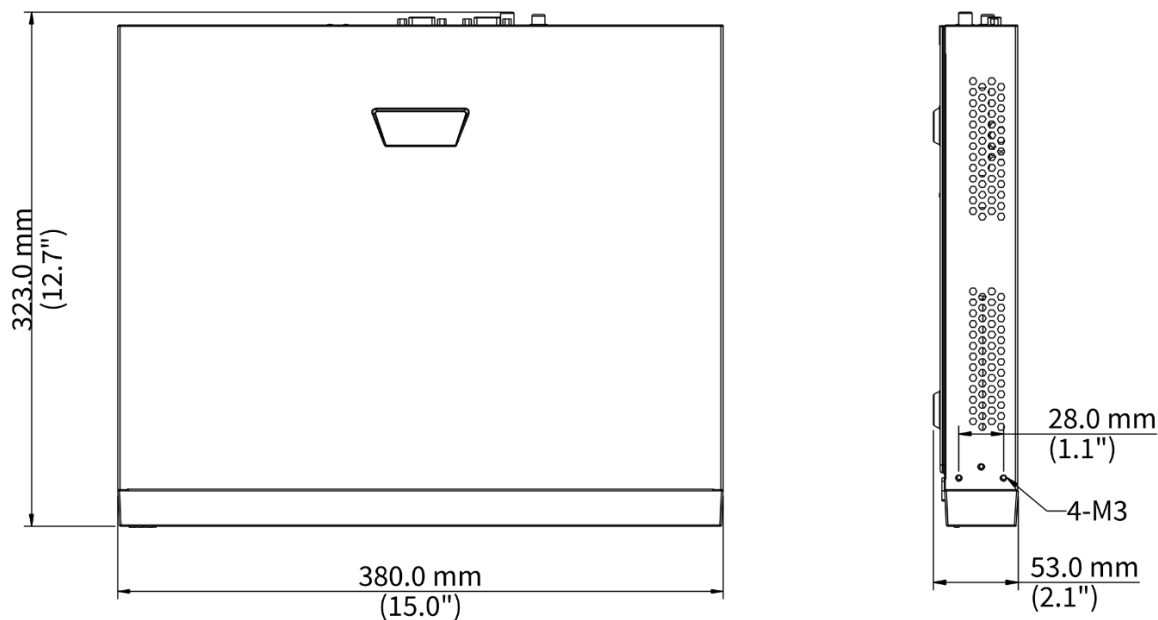
Behavior Analysis

Behavior Analysis with normal cameras	Up to 16-ch with normal camera (Videosec and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Behavior 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 (Videosec 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	
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	
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	2x RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
Network Working Mode	Muli-access, load balance, network fault-tolerance
USB	Front panel: 1x USB2.0, Rear panel: 2x USB3.0
RS485	1
RS232	1
Alarm In	16-ch
Alarm Out	4-ch
Audio In	1
Audio Out	2
Power Output	12 V
Buzzer	Support
Power Supply	DC 12 V/5 A
Working Environment	
Working Temperature	-10 °C to 55 °C
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption	≤25W (without HDD)
Heat Dissipation	Fan, Radiator
Dimensions	
Weight (without HDD)	1.87 kg

Height	1U
Dimensions	380mm × 322.4mm × 53mm
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	
NDA Compliant	Support
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
Feature Supported	
Downlink ONVIF	Support (Profile S)
NAS	Support
Smart Encoding Basic Mode	Support

Dimensions



Rear Panel

