DATASHEET

Network Video Recorder

NVR504-B-IQ Series



Features

- Support Ultra 265/H.265/H.264 video formats
- 16/32-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols
- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- VGA and HDMI independent output
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

Specifications

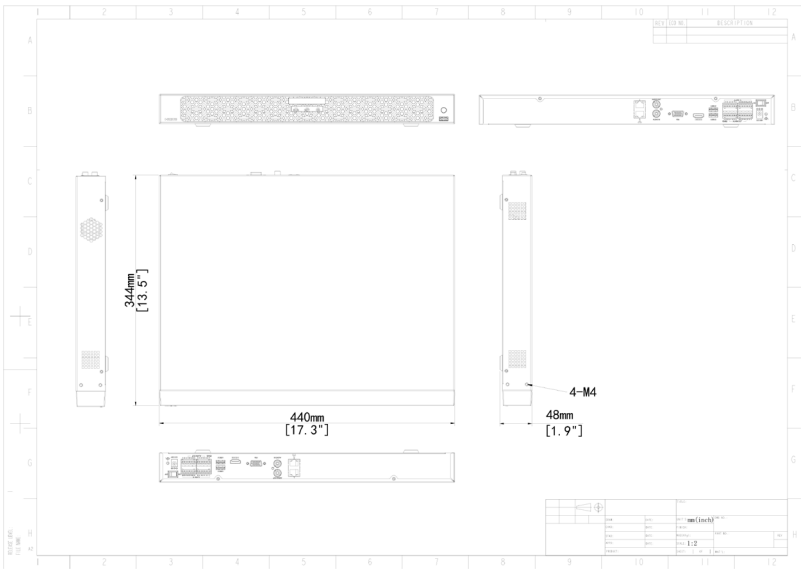
Decoding	Description
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	NVR504-16B-IQ:Smart Off：2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30 Smart On：2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 12 x 1080P@30, 16 x 720P@30 NVR504-32B-IQ:Smart Off：2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30, 32 x 720P@30 Smart On：2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 12 x 1080P@30, 24 x

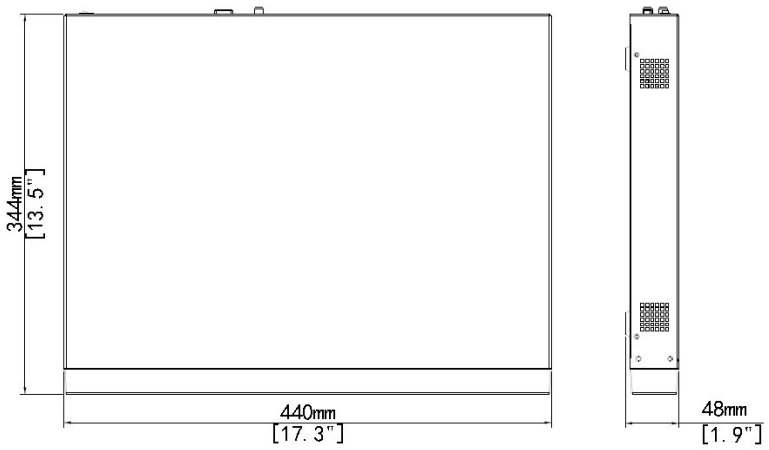
	720P@30, 32 x D1
Audio Compression	G.711A, G.711U
Network	Description
Incoming Bandwidth	Smart Off：320Mbps Smart On：160Mbps
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP/IP; P2P; NTP; DHCP; PPPoE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; NFS; RTSP; 802.1x; IPv6; IPv4
Browser(Plugin)	Windows: IE (IE10/ 11), Firefox (version 52.0 and above), Chrome (version 45 and above), Edge (version 79 and above)
Video/Audio Input	Description
IP Video Input	NVR504-16B-IQ:16-ch NVR504-32B-IQ:32-ch
RCA Audio Input	1-ch
Video/Audio Output	Description
HDMI Output	4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
VGA Output	1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
RCA Audio Output	1-ch
Liveview Display	NVR504-16B-IQ:1/4/6/8/9/16 NVR504-32B-IQ:1/4/6/8/9/16/25/32
Corridor Mode Screen	NVR504-16B-IQ:3/4/5/7/9/10/12/16 NVR504-32B-IQ:3/4/5/7/9/10/12/16/32
Two-way Audio	Description
Two-way Audio	1-ch, RCA (Using the audio input and output)
Snapshot	Description
FTP/Schedule/Event Snapshot	4-ch snapshot, up to 4K resolution
Recording	Description
Recording Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF
Synchronous Playback in Local	16-ch
Smart	Description

VCA Detection by IPC	Face Detection; Face Comparison; Vehicle Detection; 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 NVR	Face Comparison; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)
VCA Search	Face Snapshot Search; Face Comparison Search; Motor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat Map; SmartSearch+; AcuSearch
Smart by IPC	All channels (up to 8 images/s in total)Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring
Face Comparison by NVR with face detection cameras	8-ch
Face Comparison by NVR with normal cameras	2-ch
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total
Search by Image	Support
Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
SIP by NVR	4-ch
UMD by NVR	8-ch
Capacity of Snapshot Records	2 millions records for face snapshot; 2 millions records for vehicle snapshot; 3 millions records for SIP; 2 millions records for video Metadata
Alarm	Description
General Alarm	Defocus Detection; Scene Change Detection; Object Left Behind; Object Removed; 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; Array Damaged; Array Degraded
GUI Language	Description
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
Hard Disk	Description
SATA	4 SATA Interfaces

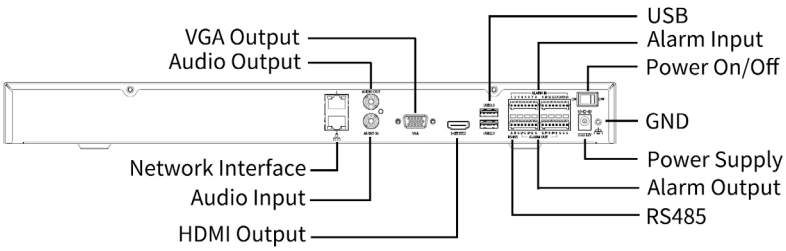
Capacity	Up to 16TB for each HDD (The maximum HDD capacity varies with environment temperature)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 1, 5
External Interface	Description
Network Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB	Front panel: 1 x USB2.0; Rear panel: 1 x USB2.0, 1 x USB3.0
RS485	1
RS232	N/A
Alarm In	16-ch
Alarm Out	4-ch
Power Supply	DC 12V/5A
Power Switch	Support
Working Environment	Description
Working Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Working Humidity	⩽ 90% RH (non-condensing)
Power Consumption (without HDD)	⩽ 12W
Dimensions	Description
Weight (without HDD)	⩽ 3.4Kg (7.5lb)
Height	1U
Dimensions	440mm × 344mm × 48mm (17.3"×13.5"×1.9")
Certification	Description
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

Dimensions





Rear Panel



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