

Network Video Recorder

NVR502-B-IQ Series



Features

- Support Ultra H.265/H.265/H.264 video formats
- 9/16/32-channel input
- Supports 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
- Support HDMI and VGA 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	NVR502-09B-IQ/NVR502-16B-IQ:Ultra 265, H.265, H.264
Decoding Capability	NVR502-09B-IQ:Smart Off: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 9 x 3MP@30, 9 x 1080P@30 Smart On: 2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 9 x 1080P@30 NVR502-16B-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

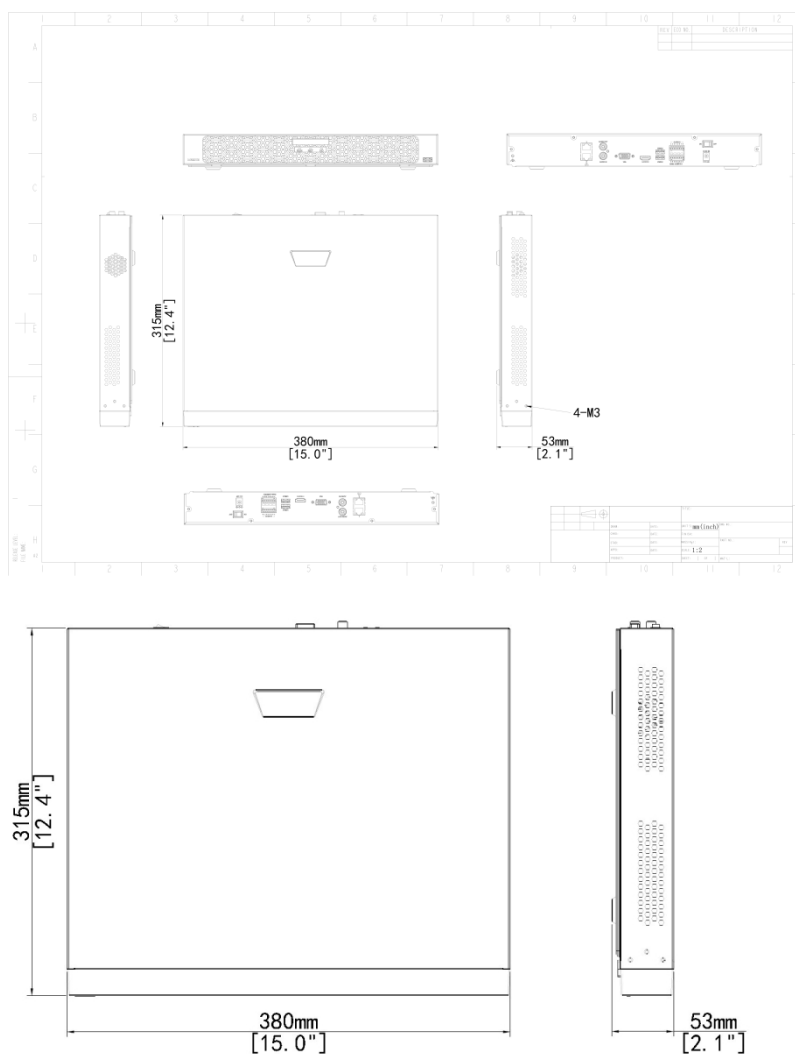
	720P@30
Decoding Capability Description	NVR502-09B-IQ/NVR502-16B-IQ:*. The resolution of each channel cannot exceed 8192 pixels in length and 4096 pixels in width.; *. For VGA/HDMI independent output, the VGA live video is output by default. To output the highest resolution video from the HDMI port, please clear the VGA video on the preview page.
Audio Compression	NVR502-09B-IQ/NVR502-16B-IQ:G.711A, G.711U
Network	Description
Incoming Bandwidth	NVR502-09B-IQ/NVR502-16B-IQ:Smart Off: 320Mbps Smart On: 160Mbps
Outgoing Bandwidth	NVR502-09B-IQ/NVR502-16B-IQ:160Mbps
Remote Users	NVR502-09B-IQ/NVR502-16B-IQ:128
Protocols	NVR502-09B-IQ/NVR502-16B-IQ:TCP/IP; P2P; NTP; DHCP; PPPoE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; NFS; RTSP; IPv6; IPv4
Browser(Plugin)	NVR502-09B-IQ/NVR502-16B-IQ: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	NVR502-09B-IQ:9-ch NVR502-16B-IQ:16-ch
RCA Audio Input	NVR502-09B-IQ/NVR502-16B-IQ:1-ch
Video/Audio Output	Description
HDMI Output	NVR502-09B-IQ/NVR502-16B-IQ:4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
VGA Output	NVR502-09B-IQ/NVR502-16B-IQ:1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
RCA Audio Output	NVR502-09B-IQ/NVR502-16B-IQ:1-ch
Liveview Display	NVR502-09B-IQ:1/4/6/8/9 NVR502-16B-IQ:1/4/6/8/9/16
Corridor Mode Screen	NVR502-09B-IQ:3/4/5/7/9 NVR502-16B-IQ:3/4/5/7/9/10/12/16
Two-way Audio	Description
Two-way Audio	NVR502-09B-IQ/NVR502-16B-IQ:1-ch, RCA (Using the audio input and output)
Snapshot	Description
FTP/Schedule/Event Snapshot	NVR502-09B-IQ/NVR502-16B-IQ:4-ch snapshot, up to 4K resolution
Recording	Description

Recording Resolution	NVR502-09B-IQ/NVR502-16B-IQ:16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF
Synchronous Playback in Local	NVR502-09B-IQ:9-ch NVR502-16B-IQ:16-ch
Smart	Description
VCA Detection by IPC	NVR502-09B-IQ/NVR502-16B-IQ: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	NVR502-09B-IQ/NVR502-16B-IQ:Face Detection; Face Comparison; Smart Intrusion Prevention (SIP); Ultra Motion Detection (UMD)
VCA Search	NVR502-09B-IQ/NVR502-16B-IQ: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	NVR502-09B-IQ/NVR502-16B-IQ: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	NVR502-09B-IQ/NVR502-16B-IQ:8-ch
Face Comparison by NVR with normal cameras	NVR502-09B-IQ/NVR502-16B-IQ:2-ch
Face Picture Library	NVR502-09B-IQ/NVR502-16B-IQ:Up to 16 face picture libraries, with up to 50,000 face pictures in total
Search by Image	NVR502-09B-IQ/NVR502-16B-IQ:Support
Vehicle Picture Library	NVR502-09B-IQ/NVR502-16B-IQ:Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
SIP by NVR	NVR502-09B-IQ/NVR502-16B-IQ:4-ch
UMD by NVR	NVR502-09B-IQ/NVR502-16B-IQ:8-ch
Capacity of Snapshot Records	NVR502-09B-IQ/NVR502-16B-IQ: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	NVR502-09B-IQ/NVR502-16B-IQ: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	NVR502-09B-IQ/NVR502-16B-IQ:IP Conflict; Network Disconnected; Disk Offline; Disk

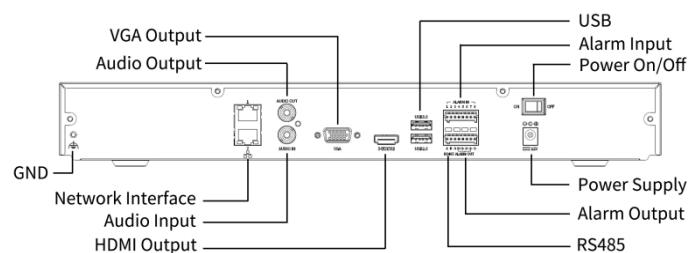
	Abnormal; Illegal Access; Hard Disk Space Low; Hard Disk Full; Recording/Snapshot Abnormal; Array Damaged; Array Degraded
GUI Language	Description
GUI Language	NVR502-09B-IQ/NVR502-16B-IQ:38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), 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	NVR502-09B-IQ/NVR502-16B-IQ:2 SATA Interfaces
Capacity	NVR502-09B-IQ/NVR502-16B-IQ:Up to 16TB for each HDD (The maximum HDD capacity varies with environment temperature)
Disk Group	NVR502-09B-IQ/NVR502-16B-IQ:Support
Redundant Storage	NVR502-09B-IQ/NVR502-16B-IQ:Support
Disk Array Type	NVR502-09B-IQ/NVR502-16B-IQ:RAID 1
External Interface	Description
Network Interface	NVR502-09B-IQ/NVR502-16B-IQ:2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB	NVR502-09B-IQ/NVR502-16B-IQ:Front panel: 1 x USB2.0; Rear panel: 1 x USB2.0, 1 x USB3.0
RS485	NVR502-09B-IQ/NVR502-16B-IQ:1
RS232	NVR502-09B-IQ/NVR502-16B-IQ:N/A
Alarm In	NVR502-09B-IQ/NVR502-16B-IQ:8-ch
Alarm Out	NVR502-09B-IQ/NVR502-16B-IQ:2-ch
Power Supply	NVR502-09B-IQ/NVR502-16B-IQ:DC 12V/3A
Power Switch	NVR502-09B-IQ/NVR502-16B-IQ:Support
Working Environment	Description
Working Temperature	NVR502-09B-IQ/NVR502-16B-IQ:-10 °C ~ 50 °C (14 °F ~ 122 °F)
Working Humidity	NVR502-09B-IQ/NVR502-16B-IQ:≤ 90% RH (non-condensing)
Power Consumption (without HDD)	NVR502-09B-IQ/NVR502-16B-IQ:≤ 12W
Dimensions	Description
Weight (without HDD)	NVR502-09B-IQ/NVR502-16B-IQ:≤ 2Kg (4.4lb)
Height	NVR502-09B-IQ/NVR502-16B-IQ:1U

Dimensions	NVR502-09B-IQ/NVR502-16B-IQ:380mm × 315mm × 53mm (15.0"×12.4"×2.1")
Certification	Description
Certification	NVR502-09B-IQ/NVR502-16B-IQ:CE; FCC; UL; RoHS; WEEE
CE	NVR502-09B-IQ/NVR502-16B-IQ:EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	NVR502-09B-IQ/NVR502-16B-IQ:Part15 Subpart B

Dimensions



Rear Panel



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