Network Video Recorder

NVR516-S Series

Features

- Support Ultra 265/H.265/H.264 video formats
- 32/64-channel input
- Third-party IP cameras supported with ONVIF conformance: Profile S, Profile G, Profile C, Profile Q, Profile A, Profile T
- Support 2-ch HDMI, 1-ch VGA, HDMI at up to 4K(3840x2160) resolution
- HDMI1, HDMI2 and VGA independent outputs provided
- Up to 12 Megapixels resolution recording
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- Support 12V power output
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade
- Support N+1 Hot spare

Specifications

Model	NVR516-32S	NVR516-64S
Decoding		
Decoding Format	Ultra 265, H.265, H.264	
Decoding Capability	4 x 12MP@20, 4 x 4K@30, 16 x 1080P@30, 32 x 720P@30	4 x 12MP@20, 4 x 4K@30, 16 x 1080P@30, 36 x 720P@30, 64 x D1
Decoding Capability Description	The resolution of each channel cannot exceed 4096 pixels in length or 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	G.711A, G.711U	

Network

Incoming Bandwidth	320 Mbps
Outgoing Bandwidth	320 Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, RTSP, 802.1x, IPv6, IPv4
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+

Video/Audio Input

IP Video Input	32-ch	64-ch
BNC Audio Input	1-ch	

Video/Audio Output

HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz (HDMI audio output is not supported)	
VGA Output	1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	
BNC Audio Output	1-ch	
Liveview Display	1/4/6/8/9/16/25/32	VGA:1/4/6/8/9/16/25/36, HDMI1/HDMI2:1/4/6/8/9/16/25/36/64
Corridor Mode Screen	3/4/5/7/9/10/12/16/32	

Two-way Audio

Two-way Audio	1-ch, BNC(Using the audio input and output)

Snapshot

FTP/Schedule/Event Snapshot	Full-ch snapshot (max. 4000 × 3000 video resolution, with snapshot resolution same as the video resolution)

Recording

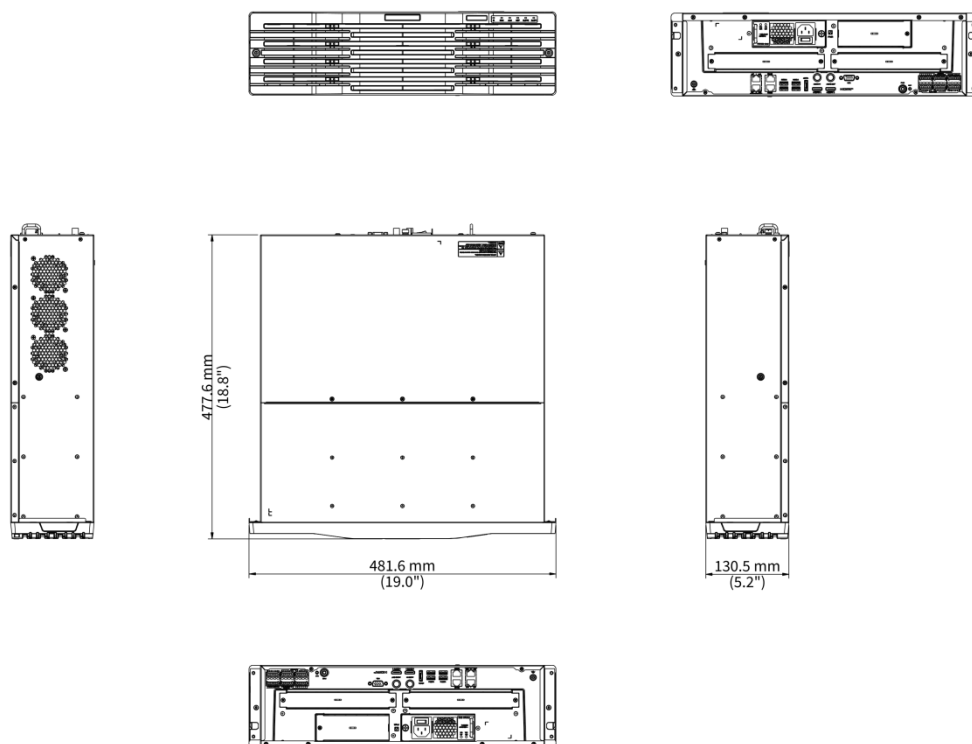|	
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF
Synchronous Playback in Local	16-ch

Smart

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	
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report	
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	All channels (up to 32 images/s in total)Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring

Alarm

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, High CPU Temperature, High Motherboard Temperature, Array Damaged, Array Degraded

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

Hard Disk

SATA	16 SATA Interfaces
Capacity	Up to 16 TB for each HDD (The maximum HDD capacity varies with environment temperature)
Disk Array Type	RAID 0, 1, 5, 6, 10, 50, 60
Hot Swap	Support

External Interface

Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
USB	Rear panel: 4 × USB3.0
RS485	1
RS232	1
Alarm In	24-ch
Alarm Out	8-ch
eSATA	1
Power Output	12 V
Power Supply	AC 100 to 240 V
Power Switch	Support

Working Environment

Working Temperature	-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 50W

Dimensions

Weight (without HDD)	≤ 10Kg (22.05lb)
Dimensions	482mm ×478mm × 131mm (19.0"×18.8"×5.2")

Certification

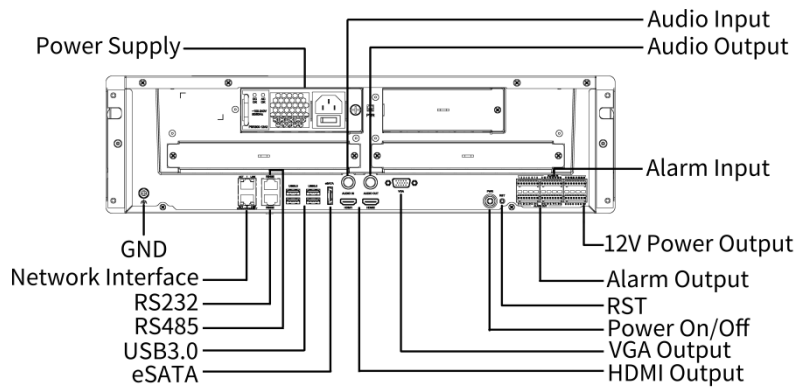|	
Certification	CE; FCC; UL; RoHS; WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

Dimensions

477.6 mm
(18.8")

481.6 mm
(19.0")

130.5 mm
(5.2")

Accessories

SL-A
Slide Rail

Rear Panel

Power Supply
Audio Input
Audio Output
Alarm Input
12V Power Output
GND
Network Interface
RS232
RS485
USB3.0
eSATA
Alarm Output
RST
Power On/Off
VGA Output
HDMI Output

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