

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	

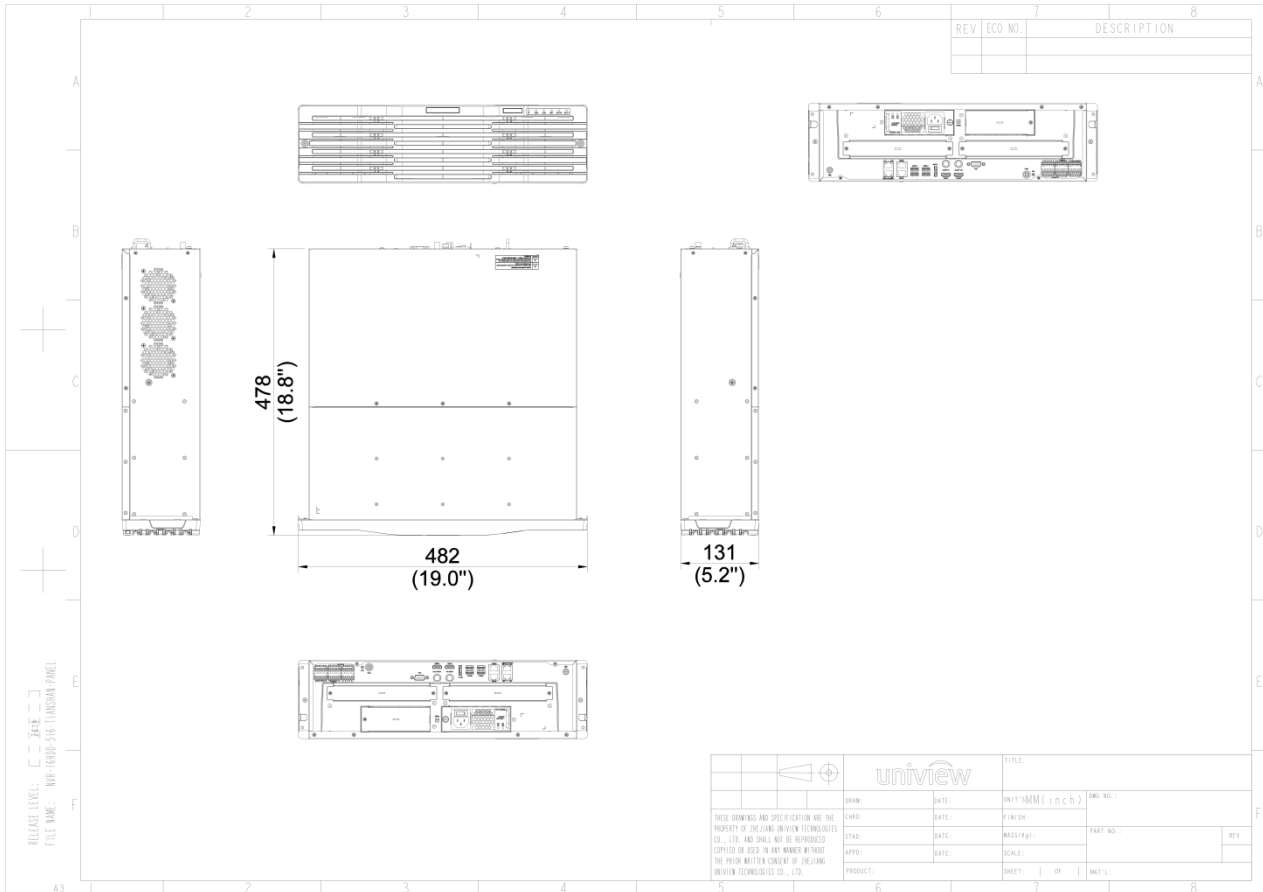
Decoding Capability	4 x 12MP@20, 4 x 4K@30, 16 x 1080P@30, 32 x 720P@30	4 x 12MP@20, 4 x 4K@30, 16 x 1080P@30, 36 x 720P@30, 64 x D1
Decoding Capability Description	The resolution of each channel cannot exceed 4096 pixels in length or width, For VGA/HDMI independent output, the VGA live video is output 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	<table border="1"> <tr> <td>All channels (up to 16 images/s in total)Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring</td> <td>All channels (up to 32 images/s in total)Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring</td> </tr> </table>	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
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 °C to 55 °C (14 °F to 131 °F)
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

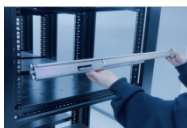
Aggregate product size diagram using "main model" as an example



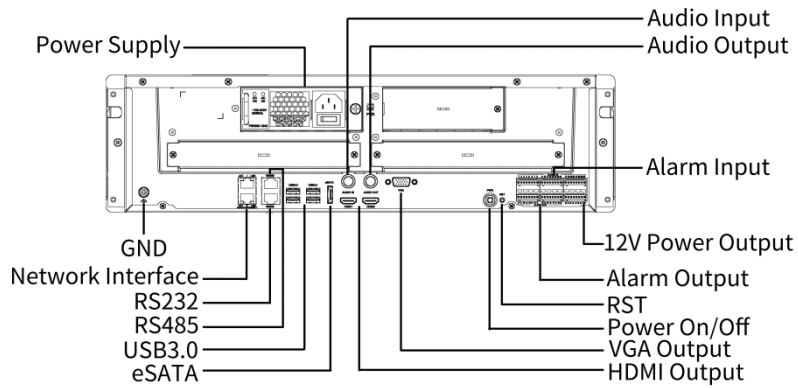
Accessories

SL-A

Slide Rail



Rear Panel



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