

Network Video Recorder NVR516-R-IM Series



Features

- Support Ultra 265/H.265/H.264 video formats
- 64/128-channel input
- Support 2-ch HDMI, 2-ch VGA, HDMI at up to 8K (7680 × 4320)/30 Hz resolution
- HDMI1/VGA1 and HDMI2/VGA2 independent output
- Up to 32 Megapixels resolution recording
- Redundant power supply optional
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- Support 1 miniSAS Interfaces and 1 eSATA Interfaces
- 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

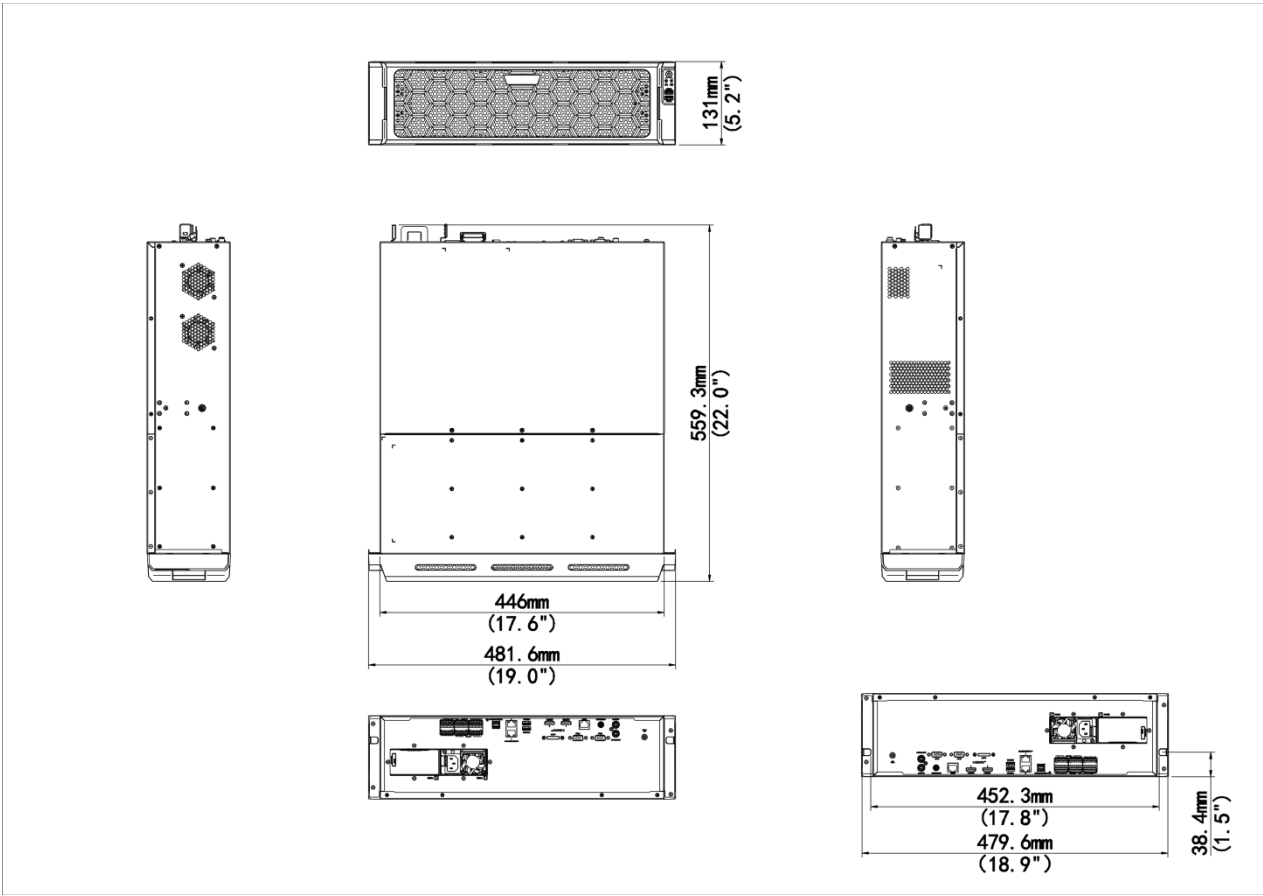
Model	NVR516-64E-R-IM		NVR516-128E-R-IM
Decoding			
Decoding Format	Ultra 265, H.265, H.264		
Decoding Capability	Smart Off: 3 x 32MP@30, 6 x 16MP@30, 8 x 12MP@30, 12 x 4K@30, 16 x 6MP@30, 19 x 5MP@30, 24 x 4MP@30, 32 x 3MP@30, 48 x 1080P@30, 64 x 720P@30 Smart On: Smart On: When Smart by NVR on, the decoding capacity is same as Smart off.	Smart Off: H265: 3 x 32MP@30, 6 x 16MP@30, 8 x 12MP@30, 12 x 4K@30, 16 x 6MP@30, 19 x 5MP@30, 24 x 4MP@30, 32 x 3MP@30, 48 x 1080P@30, 96 x 720P@30, 128 x D1@30 H264: 2 x 32MP@30, 4 x 16MP@30, 6 x 12MP@30, 9 x 4K@30, 12 x 6MP@30, 14 x 5MP@30, 18 x 4MP@30, 24 x 3MP@30, 36 x 1080P@30, 72 x 720P@30, 128 x D1@30 Smart On: Smart On: When Smart by NVR on, the decoding capacity is same as Smart off.	
Decoding Capability Description	The resolution of each channel cannot exceed 8640 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	8K OFF: 768 Mbps, 8K ON: 512 Mbps		
Outgoing Bandwidth	8K OFF: 768 Mbps, 8K ON: 640 Mbps		
Max Remote Users	128		
Protocols	TCP/IP, SMTP, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, IPv6, IPv4, HTTPS, SNMP, NFS, 802.1x		
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+		
Video/Audio Input			
IP Video Input	64-ch	128-ch	
RCA Audio Input	1-ch		
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	HDMI1: 8K (7680 × 4320)/30 Hz, 4K (3840 2160)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz; HDMI2: 4K (3840 × 2160)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
VGA Output	1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
RCA Audio Output	2-ch		
Liveview Display	1/4/6/8/9/16/25/36/64		
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		

Peripheral Input		
POS	All channels	
Ip Speaker	64-ch	
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)	
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, UMD, Video Metadata, Traffic Monitoring, People Counting	
Smart by NVR	Face Detection, Face Comparison, Ultra Motion Detection (UMD), Smart Intrusion Prevention (SIP), Video Metadata, Plate Comparison	
Smart by NVR Analyzer Mode	Single Mode (SIP), Single Mode (UMD), Mixed Mode (Face Recognition+Mixed-Traffic Dection+AcuSearch/AcuTrack), 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, Heat Map, AcuSearch, AcuTrack, SmartSearch+	
AcuSearch		
Acu Search Performance	All channels with UNV SIP/UMD Camera, Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	
AcuTrack		
Acu Track Performance	All channels with UNV SIP/UMD Camera, Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	
SeekFree		
SeekFree Performance	N/A	
SeekFree Language	N/A	
face detection		
face detection by NVR	Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K), Up to 32-ch with UNV Face Detection Camera	
Search by Image	Support	
Plate Comparison		
Plate Comparion by NVR	All channels with UNV LPR Camera, normal/Third-part brand cameras not supported	
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 5,000 vehicle pictures in total	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
SIP		
SIP by NVR with normal	Up to 24-ch with normal camera (UNV and Third-part brand, 24-ch 2MP, 12-ch 4MP, 6-ch 4K)	

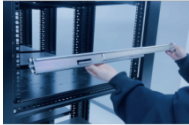
cameras		
UMD		
UMD by NVR with normal cameras	Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	
Video Metadata		
Video Metadata by NVR with normal cameras	Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K)	
Video Metadata Type	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color, Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color	
Capacity of Smart Snapshots		
Capacity of Snapshot Records	3 millions records for face snapshot, 3 millions records for vehicle snapshot, 3 millions records for SIP	
Alarm		
General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Audio Detection, Alarm Input	
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	16 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	
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	
Network Working Mode	Multi-access, load balance, network fault-tolerance	
USB	Front panel: 2 × USB2.0, Rear panel: 2 × USB3.0	
RS485	1	
RS232	1	
Alarm In	16-ch	
Alarm Out	10-ch	
eSATA	1	
miniSAS	1	N/A
Power Output	12 V	
Power Supply	AC 220 V	
Power Switch	Support	
Redundant Power Supply	Support	
Buzzer	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	
Heat Dissipation	Fan, Radiator	
Dimensions		
Weight (without HDD)	≤ 8.0Kg (17.6lb)	
Height	3U	
Dimensions	481.6mm × 559.3mm × 131.0mm (19.0" ×22.0" ×5.2")	
Compliance		
NDAA Compliant	Support	
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	
Feature Supported		
Preset Num	32	
N+1 Hot Spare	Support	
Fisheye Dewarping by IPC	Support	
Fisheye Dewarping by NVR (Local)	Support	Support (Max 1-CH, Max 12MP) After fisheye correction, the actual display resolution will be reduced to around 1080P 4K output on: Fisheye correction is not supported by NVR
ANR	Support	
Video Image Database (Uplink)	Support	
UCS (Web socket)	Support	
NAS	Support	
Ucode Basic Mode	Support	
Ucode Advanced Mode	Support	
Dual-lens Cameras	Support	
Box-Dome Linkage	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	
Others		
Decoding Capability (1080P)	N/A	

Dimensions



Accessories

DEU1016-C	DEU1024-C	SL-A
16 Hard Disks Network Storage Disk Enclosure Unit	24 Hard Disks Network Storage Disk Enclosure Unit	Slide Rail
		
PWR-DC12-350A-IN		
350W Power Accessories Module		
		

Unlimited New View

Zhejiang Uniview Technologies Co., Ltd.



<http://www.uniview.com>



overseasbusiness@uniview.com; globalsupport@uniview.com



No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.

Despite our best efforts, technical or typographical errors may exist in this document. Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.