

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

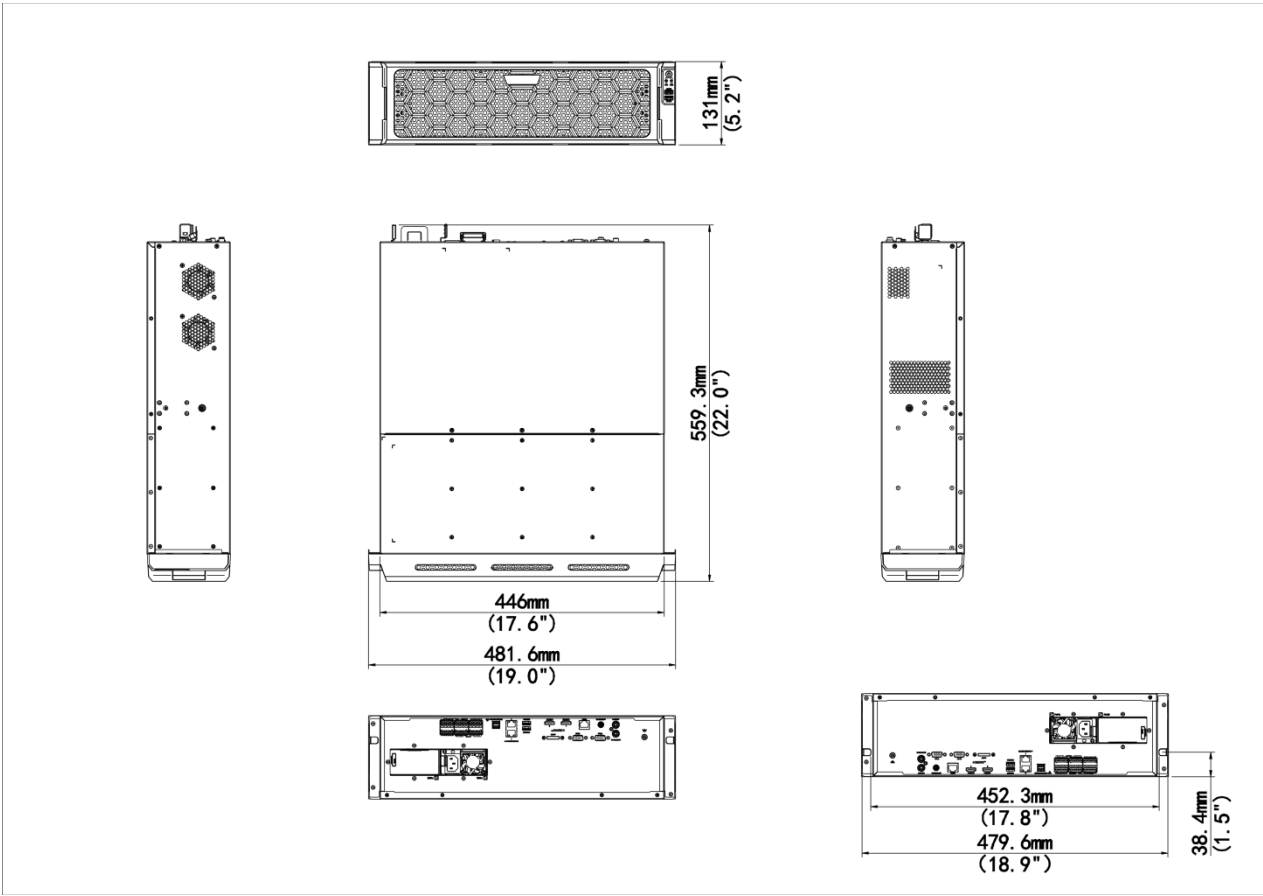
Model	NVR516-64E-R-IM		NVR516-128E-R-IM
Decoding			
Decoding Format	Ultra 265, H.265, H.264		
Decoding Capability	Smart Off: H265: 3 x 32MP@30, 6 x 16MP@30, 8 x 12MP@30, 12 x 4K@30, 16 x 6MP@30, 19 x 5MP@30, 24 x 4MP@30, 32 x 3MP@30, 48 x 1080P@30, 64 x 720P@30, 64 x D1@30 H264: 2 x 32MP@30, 4 x 16MP@30, 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, 64 x 720P@30, 64 x D1@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)	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 64 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 Detection+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
SIP	
SIP by NVR with normal cameras	Up to 24-ch with normal camera (UNV and Third-part brand, 24-ch 2MP, 12-ch 4MP, 6-ch 4K)
UMD	

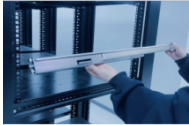
UMD by NVR with normal cameras	Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	
Video Metadata		
Video Metadata by NVR with normal cameras	Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K)	
Video Metadata Type	Motor Vehicle: 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 (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

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