

16-bay Intelligent RAID Network Video Recorder



Features

Intelligent

- Integrated video synopsis algorithm in NVR
- Compress recorded video into a video summary
- Grab snapshot of every moving object
- Obtain the characters of every moving object (type, color, size, direction, speed)
- Fast searching for targets by characters

High-performance, High-capacity

- 16 x 1080p@30fps video decoding capability
- 4K video output supports
- Up to 64 channels
- Up to 320Mbps incoming bandwidth
- 512Mbps output bandwidth
- 64 user access simultaneously
- Max. 16 HDDs up to 96TB storage
- IP SAN storage supports

Easy to install

- Automatic network organizing
- Built-in DHCP server

High reliability

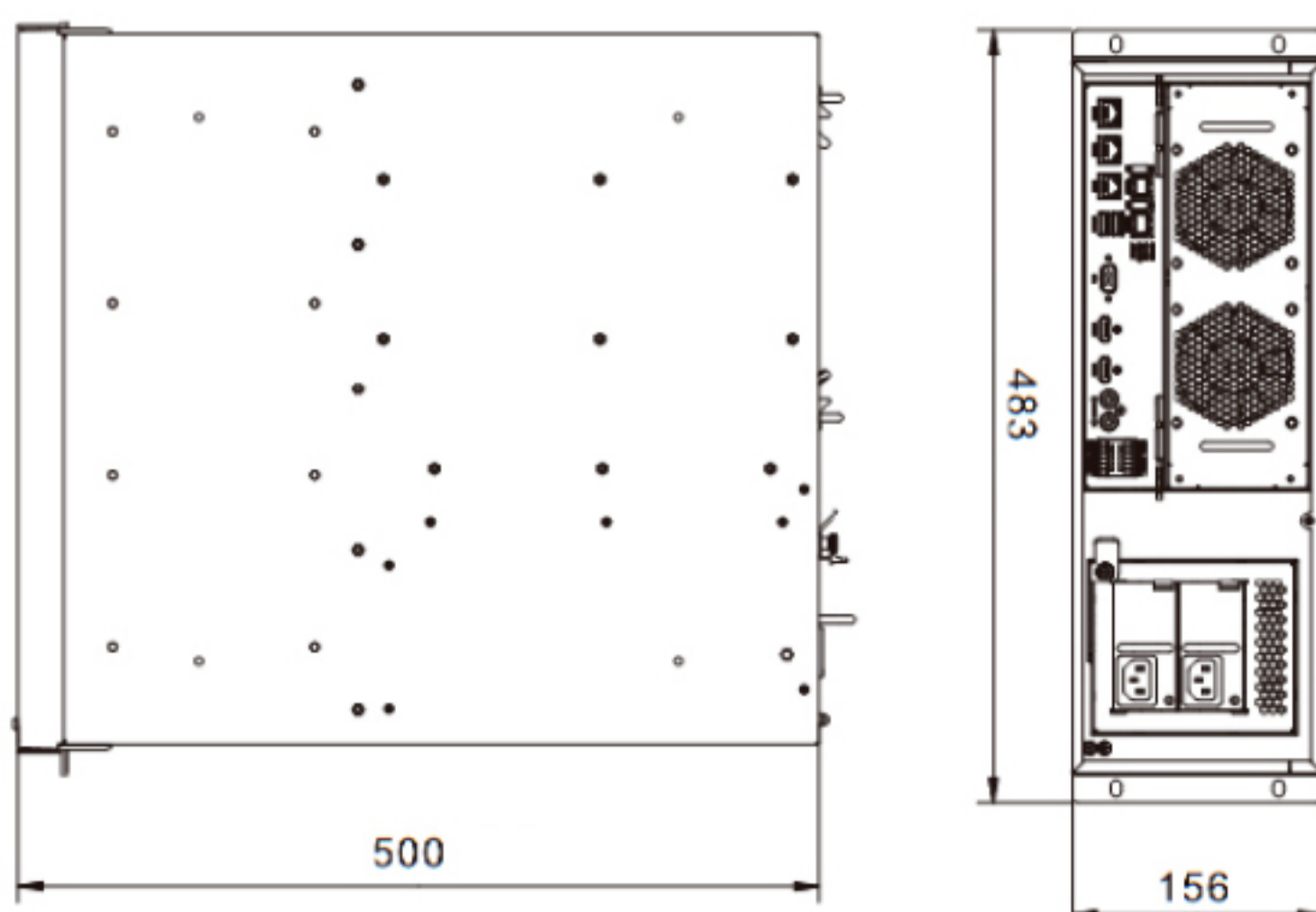
- Embedded Linux
- RAID 0/1/5/6/10
- Redundant Power Supply (optional)
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

Abundant functions and features

- 3 video output simultaneously output different content
- E-Map, TV-Wall supported
- Bi-directional audio, Broadcasting
- NAT, Socks5
- Alarm management
- Free CMS (NVR Station), supports 128 NVR simultaneously
- CMS supports 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

Dimensions

Unit: mm



Specifications

Model	NVR2881-32HDI	NVR2881-64HDI
Video/Audio Input		
IP Camera Input	32 channel	64 channel
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF	
Compression	H.264	
Protocols	ONVIF, RTSP, KEDACOM	
Incoming Bandwidth	160Mbps	320Mbps
Live Viewing		
Local Display	2 x HDMI, 1 x VGA, simultaneously output different content	
Multi Screen Display Local monitor (Main / Secondary / Tertiary):	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 36/1/1, 48/1/1, 49/1/1, 63/1/1, 64/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16, 4/16/16, 16/24/24
Multi Screen Display Client	up to 4 screens simultaneously: 1, 3, 4, 9, 12, 16, 20, 25, 30, 36, 42, 49, 56, 63, 64 1+5, 1+7, 1+8, 1+9, 1+11, 1+15, 1+16, 1+33, 1+47, 1+48	
E-Map Function	Live Viewing in E-Map (NVR Station) E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)	
Recording		
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF	
Mode	Manual / Continuous / Schedule / Event (Pre / Post)	
Event Trigger	Supported	
Tag	Supported	
Reliability	ANR	
Search & Playback		
Search Mode	Date and time (Calendar) / Event	
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF	
Playback	Local monitor: 16 x 1080p@30fps Client: 16 x 1080p@30fps	
Synchronize Playback	Local monitor: 16 x 1080p@30fps Client: 4 x 1080p@30fps	
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ / Slice playback	
Storage		
Max. Internal HDDs	16 x 3.5" HDD	
	Max. 96TB (up to 6TB/each)	
RAID	RAID 0/1/5/6/10	
External	IP SAN (iSCSI), up to 10 x IP SAN, Max. 100T	
Function	Disk group / Quota / Disk dormancy	
Audio		
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC	
Bit rate	32kbps ~ 64kbps	
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting	
Alarm		
Service Alarm Triggers	Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge	
System Alarm Triggers	Device disconnect / No disk / Disk error / IP Address conflict / Network disconnect / Low speed / Insufficient recording space / MAC address conflict / Insufficient snapshot space	
Alarm Events	Snapshot / Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption / Live view in first window / Link to TV Wall / Link to secondary screen / Full screen viewing	
Intelligent		
Video Synopsis	Supported	
Analytic Snapshot	Supported	
System		
Operating System	Embedded Linux	
User Management	Admin / User	
Log Management	User login / User operation / Alarm / Backup / Update	
Application Programming	NVR Station SDK	
Network		
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP, UPNP, SMTP, IPv4, IPv6 (optional)	
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app	
Max. User Access	64 Users	
Output Bandwidth	512Mbps	
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Automatic network organizing	
Network Test	Supported	
Interfaces		
Ethernet	3 x Gigabit network port, RJ45 interface	
Video Out	2 x HDMI (1 HDMI up to 4K x 2k, 1 HDMI up to 1920 x 1080@60Hz) 1 x VGA (up to 1920 x 1080@60Hz)	
Audio In / Out	1 x RCA Line in / 1 x RCA Line out	
Alarm In / Out	2 x Inputs / 2 x Outputs	
Control	2 x RS485	
USB	2 x USB 2.0, 2 x USB 3.0	
Environmental		
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F	
Operating Humidity	10% ~ 85%	
Electrical		
Power	100 ~ 240V AC, 50 ~ 60Hz	
	Redundant Power Supply (the second power is option)	
Power Consumption	Max. 150W (HDD not included)	
Mechanical		
Weight	20kg / 44lb (HDD not included)	
Dimensions	483 x 500 x 156mm / 19.02" x 19.69" x 6.14"	