

NVR2881-16B/4HI

16-Bay H.265 4K AI Professional Network Video Recorder



Features

High-performance, High-capacity

- H.265 supported
- 4 x 4K@30fps / 16 x 1080p@30fps video decoding capability
- Up to 64 channel
- Up to 420Mbps incoming bandwidth
- 384Mbps output bandwidth
- 16 user access simultaneously
- Max. 16 HDDs up to 128TB storage
- IPSAN storage supported

AI

- Supports deep learning algorithm
- Supports up to 50,000 face detection comparison library
- Supports up to 100,000 LPR detection comparison library
- Real-time multiple face and LPR matching
- Supports searching picture by face picture

Easy to install

- Auto network organizing
- Built-in DHCP server

High reliability

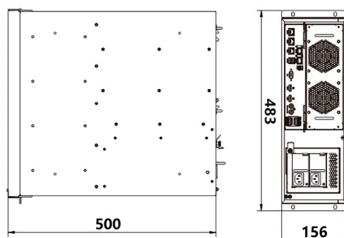
- Embedded Linux
- RAID 0/1/5/6/10
- Redundant Power Supply (optional)
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

Abundant functions and features

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

Dimensions

Units:mm



Specifications

	NVR2881-16016B/4HI	NVR2881-16032B/4HI	NVR2881-16064B/4HI	NVR2881-16128B/4HI
Video/Audio Input				
IP Camera Input	16 channel	32 channel	64 channel	128 channel
Resolution	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Compression	H.265 / H.264			
Protocols	Onvif, RTSP, KEDACOM			
Bit rate	64kbps ~ 16384kbps			
Incoming Bandwidth	160Mbps	320Mbps	420Mbps	512Mbps
Live Viewing				
Local Display	2 x HDMI, 1 x VGA, simultaneously output different content			
Multi Screen Display Local monitor(Main / Secondary):	1/1, 4/4, 1+5/1+5, 1+7/1+7, 9/9, 16/16			
Multi Screen Display Client	up to 4 screen simultaneously: 1 ~ 64 Multiple Layouts			
E-Map Function	Live Viewing in E-Map (V Station) E-PTZ / Scheme (V Station)			
Recording				
Resolution	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Mode	Manual / Continuous / Schedule / Event (Pre / Post)			
Event Trigger	Supported			
Tag	Supported			
Reliability	Automatic Network Replenishment (ANR)			
Search & Playback				
Search Mode	Date and time (Calendar) / Event			
Resolution	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Playback(Local Monitor)	4 x 4K@30fps / 16 x 1080p@30fps			
Playback(Client)	up to 16 x 4K@30fps			
Synchronize Playback (Local Monitor)	4 x 4K@30fps / 16 x 1080p@30fps			
Synchronize Playback (Client)	up to 16 x 4K@30fps			
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ / Slice playback			
Storage				
Max. Internal HDDs	16x 3.5" HDD			
RAID	Max. 128TB (up to 8TB/each) RAID 0/1/5/6/10			
External	IPSAN (iSCSI), up to 10 x IPSAN, Max. 100T (optional)			
Function	Disk group / Quota / Disk dormancy			
Audio				
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC / G.726			
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 / Face matching			
System Alarm Triggers	Device disconnected / No disk / Disk error / IP Address conflict / Network disconnected / Low speed / Insufficient recording space / MAC address conflict / Insufficient Snapshot storage 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			
AI				
Face Matching	Real-time / Post-event			
Search Mode	Date and time / Camera / Face image			
People Counting	Supported			
Recognitive Camera Channel	Up to 4			
Face Recognition Access	Up to 16	Up to 32		
Control Terminal Channel				
People Counting Sensor Channel	Up to 16	Up to 32		
LPR Camera Channel	Up to 4			
Face Picture Library	64 libraries			
LPR Library	Up to 50,000 Up to 12,000			
System				
Operating System	Embedded Linux			
User Management	Admin / User			
Log Management	User login / User operation / Alarm / Backup / Update			
Application Programming	V Station SDK			
Network				
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPoE, FTP, SNTP, VSIP, UPNP, SMTP, IPv4, IPv6 (optional)			
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app			
Max. User Access	16 Users			
Output Bandwidth	384Mbps			
Function	NAT / Multiple network access / Packet loss recovery / Auto network organizing			
Network Test	Supported			
Interfaces				
Ethernet	3 x Gigabit network port, RJ45 interface			
Video Out	2 x HDMI (up to 3840 x 2160@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	1 x RS485, 1 x RS232			
USB	2 x USB2.0, 2 x USB3.0			
Environmental				
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F			
Operating Humidity	10% ~ 85%			
Electrical				
Power	100 ~ 240V AC, 50 ~ 60Hz			
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"			