

# NVR2821-04B/16HI

## 4-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 32 channel
- Up to 320Mbps incoming bandwidth
- 256Mbps output bandwidth
- 16 user access simultaneously
- Max. 4 HDDs up to 32TB storage

#### 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

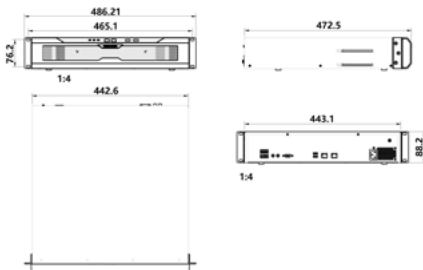
- Embedded Linux
- RAID 0/1/5/6/10
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

#### 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

	NVR2821-04016B/16HI	NVR2821-04032B/16HI
<b>Video/Audio Input</b>		
IP Camera Input	16 channel	32 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
<b>Live Viewing</b>		
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content	
Multi Screen Display Local monitor	1/1, 4/4, 1+5/1+5, 1+7/1+7, 9/9, 16/16	1/1, 4/4, 1+5/1+5, 1+7/1+7, 9/9, 16/16
(Main / Secondary): Multi Screen Display	up to 4 screen simultaneously:	
Client	1 ~ 64 Multiple Layouts	
E-Map Function	Live Viewing in E-Map (V Station)	
Function	E-PTZ / Scheme (V Station)	
<b>Recording</b>		
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)	
<b>Search &amp; Playback</b>		
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	
<b>Storage</b>		
Max. Internal HDDs	4 x 3.5" HDD	
RAID	Max. 32TB (up to 8TB/each)	
External	RAID 0/1/5/6/10	
Function	iPSAN (iSCSI), up to 10 x iPSAN, Max. 100T (optional)	
Function	Disk group / Quota / Disk dormancy / Face pictures storage	
<b>Audio</b>		
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / G.726	
Bit rate	32kbps ~ 64kbps	
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting	
<b>Alarm</b>		
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	
<b>AI</b>		
Face Matching	Real-time / Post-event	
Search Mode	Date and time / Camera / Face image	
Recognitive Camera Channel	Up to 16	
Face Recognition Access Control Terminal Channel	Up to 16	Up to 32
People Counting Sensor Channel	Up to 16	Up to 32
LPR Camera Channel	Up to 16	
Face picture Library	64 libraries	
LPR Library	Up to 50,000	
LPR Library	Up to 100,000	
<b>System</b>		
Operating System	Embedded Linux	
User Management	Admin / User	
Log Management	User login / User operation / Alarm / Backup / Update	
Application Programming	V Station SDK	
<b>Network</b>		
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	16 Users	
Output Bandwidth	256Mbps	
Function	NAT / Multiple network access / Packet loss recovery / Auto network organizing	
Network Test	Supported	
<b>Interfaces</b>		
Ethernet	3 x Gigabit network port, RJ45 interface	
Video Out	1 x HDMI (up to 3840 x 2160@60Hz)	
Audio In / Out	1 x VGA (up to 1920 x 1080@60Hz)	
Control	1 x RCA Line in / 1 x RCA Line out	
USB	1 x RS485, 1 x RS232	
USB	2 x USB2.0, 2 x USB3.0	
<b>Environmental</b>		
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F	
Operating Humidity	10% ~ 85%	
<b>Electrical</b>		
Power	100 ~ 240V AC, 50 ~ 60Hz	
Power Consumption	Max. 150W (HDD not included)	
<b>Mechanical</b>		
Weight	13kg / 28.66lb (Gross Weight)	
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"	