NVR1821-04B

4 Bay Professional Network Video Recorder





Features

High-performance, High-capacity
- H.265 supported
- 1 x 4K@30fps / 9 x 1080p@30fps video decoding capability
- Up to 32 channels
- Up to 320Mbps incoming bandwidth
- Up to 160Mbps output bandwidth
- 16 user access simultaneously
- Max. 4 HDDs up to 40TB storage

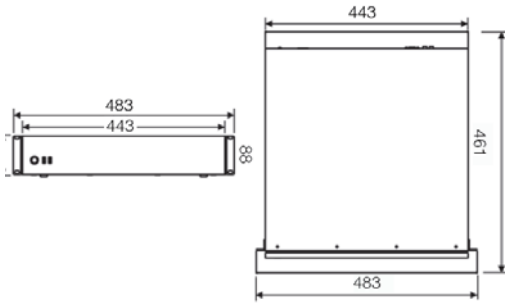
Easy to install
- Automatic network organizing
- Built-in DHCP server

High reliability
- Embedded Linux
- Low power consumption
- 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, Socks5
- Alarm management
- Free CMS (VStation), 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

	NVR1821-04016B	NVR1821-04032B
Video/Audio Input		
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	
Bitrate	64kbps ~ 16384kbps	
Incoming Bandwidth	160Mbps	320Mbps
Live Viewing		
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content	
"Multi Screen Display Local monitor (Main / Secondary):"	1, 3, 4, 9, 15, 16, 1+4, 1+8, 1+9, 1+15, 1/1, 2/1, 4/1, 9/1, 15/1, 16/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9	1, 3, 4, 9, 15, 16, 25, 36, 1+4, 1+8, 1+9, 1+15, 1/1, 2/1, 4/1, 9/1, 15/1, 16/1, 36/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9, 16/16
"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+12, 1+13, 1+15, 1+16, 1+33, 1+47, 1+48	
E-Map	Live Viewing in E-Map (VStation)	
Function	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder) / Virtual channel	
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)"	1 x 4K@30fps / 9 x 1080p@30fps	
Synchronize Playback (Local Monitor)	1 x 4K@30fps / 9 x 1080p@30fps	
Storage		
Max. Internal HDDs	4 x 3.5" HDD Max. 40TB (up to 10TB/each)	
RAID	RAID 0/1/5/6/10 (optional)	
External	IP SAN (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	
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 disconnected / No disk / Disk error / IP Address conflict / Network disconnected / 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	
System		
Operating System	Embedded Linux	
User Management	Admin / User	
Log Management	User login / User operation / Alarm / Backup / Update	
Application Programming	VStation SDK	
Network		
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNTP, VSIP, UPNP, SMTP, IPv4, IPv6	
Viewer Software	CMS (Vstation) / Web / iOS app / Android app	
Max. User Access	16 Users	
Output Bandwidth	80Mbps	160Mbps
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing	
Network Test	Supported	
Interfaces		
Ethernet	2 x Gigabite network port, RJ45 interface	
Video Out	1 x HDMI (up to 3840 x 2160@60Hz) 1 x VGA (up to 1920 x 1080@60Hz)	
Audio In / Out	1 x Line in / 1 x Line out	
Alarm In / Out	2 x Inputs / 2 x Outputs	
Control	1 x RS485	
USB	2 x USB 2.0 1x USB3.0	
Environmental		
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F	
Operating Humidity	10% ~ 90%	
Electrical		
Power	100 ~ 240V AC, 50 ~ 60Hz	
Power Consumption	Max. 15W (HDD not included)	
Mechanical		
Weight	7.6kg / 16.72lb (HDD not included)	
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"	