

NVR2881-16B/32HI

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

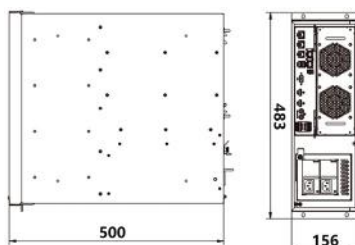
- Embedded Linux
- RAID 0/1/5/6/10
- Redundant Power Supply (optional)
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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

	NVR2881-16032B/32HI	NVR2881-16064B/32HI
Video/Audio Input		
IP Camera Input	32 channel	64 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	320Mbps	420Mbps
Live Viewing		
Local Display	2 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	
(Main / Secondary): Multi Screen Display	up to 4 screen simultaneously:	
Client	1 ~ 64 Multiple Layouts	
E-Map	Live Viewing in E-Map (V Station)	
Function	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	16 x 3.5" HDD	
	Max. 128TB (up to 8TB/each)	
RAID	RAID 0/1/5/6/10	
External	IPSAN (iSCSI), up to 10 x IPSAN, Max. 100T (optional)	
Function	Disk group / Quota / Disk dormancy / Face pictures storage	
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	
Recognitive Camera Channel	Up to 32	
Face Recognition Access	Up to 32	
Control Terminal Channel		
People Counting Sensor Channel	Up to 32	
LPR Camera Channel	Up to 16	
Face Picture Library	64 libraries	
LPR Library	Up to 50,000	
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, PPPoE, FTP, SNMP, VSIP, UPNP, SMTP, IPv4, IPv6 (optional)	
Viewer Software	CMS (V 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)	
Audio In / Out	1 x VGA (up to 1920 x 1080@60Hz)	
Alarm In / Out	1 x RCA Line in / 1 x RCA Line out	
Control	2 x Inputs / 2 x Outputs	
USB	1 x RS485, 1 x RS232	
	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	Redundant Power Supply (the second power is optional)	
	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"	

NVR2881-16B/16HI

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



Features

High-performance, High-capacity

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- 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
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Easy to install

- Auto network organizing
- Built-in DHCP server

High reliability

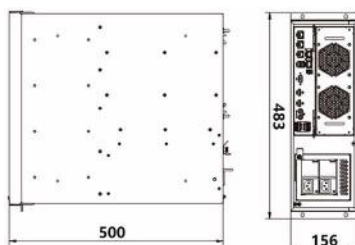
- Embedded Linux
- RAID 0/1/5/6/10
- Redundant Power Supply (optional)
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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/16HI	NVR2881-16032B/16HI	NVR2881-16064B/16HI
Video/Audio Input			
IP Camera Input	16 channel	32 channel	64 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
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		
Recognitive Camera Channel	Up to 16		
Face Recognition Access	Up to 16	Up to 32	
Control Terminal Channel			
People Counting Sensor	Up to 16	Up to 32	
Channel			
LPR Camera Channel	Up to 16		
Face Picture Library	64 libraries Up to 50,000		
LPR Library	Up to 100,000		
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, PPPoE, FTP, SMTP, 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"		

NVR2881-16B/8HI

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

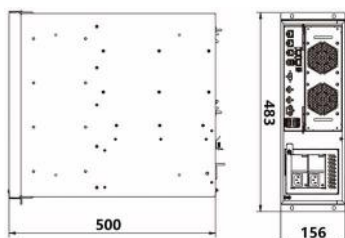
- HDMI/VGA simultaneously output different content
- E-Map, TV-Wall supported
- Bi-directional audio, Broadcasting
- NAT
- Alarm management
- Free CMS (V Station), supports 128 NVR simultaneously
- CMS supports 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

Specifications

	NVR2881-16016B/8HI	NVR2881-16032B/8HI	NVR2881-16064B/8HI
Video/Audio Input			
IP Camera Input	16 channel	32 channel	64 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
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	Live Viewing in E-Map (V Station)		
Function	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			
Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus /			
Service Alarm Triggers	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		
Recognitive Camera Channel	Up to 8		
Face Recognition Access	Up to 16	Up to 32	
Control Terminal Channel			
People Counting Sensor	Up to 16	Up to 32	
Channel			
LPR Camera Channel	Up to 8		
Face Picture Library	64 libraries		
LPR Library	Up to 50,000		
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, 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	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)		
Audio In / Out	1 x VGA (up to 1920 x 1080@60Hz)		
Alarm In / Out	1 x RCA Line in / 1 x RCA Line out		
Control	2 x Inputs / 2 x Outputs		
USB	1 x RS485, 1 x RS232		
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"		

Dimensions

Units:mm



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

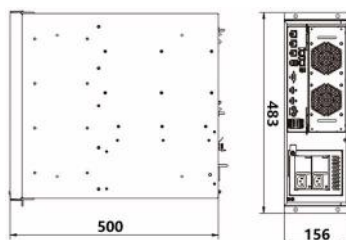
- HDMI/VGA simultaneously output different content
- E-Map, TV-Wall supported
- Bi-directional audio, Broadcasting
- NAT
- Alarm management
- Free CMS (V Station), supports 128 NVR simultaneously
- CMS supports 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

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:			
E-Map	1 ~ 64 Multiple Layouts			
Function	Live Viewing in E-Map (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)			
External	RAID 0/1/5/6/10			
Function	IPSAN (iSCSI), up to 10 x IPSAN, Max. 100T (optional)			
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	Up to 16	Up to 32		
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			
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, 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	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)			
Audio In / Out	1 x VGA (up to 1920 x 1080@60Hz)			
Alarm In / Out	1 x RCA Line in / 1 x RCA Line out			
Control	2 x Inputs / 2 x Outputs			
USB	1 x RS485, 1 x RS232			
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"			

Dimensions

Units:mm



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

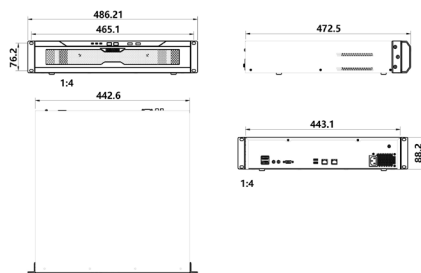
- Embedded Linux
- RAID 0/1/5/6/10
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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

	NVR2821-04009B/16HI	NVR2821-04016B/16HI	NVR2821-04032B/16HI
Video/Audio Input			
IP Camera Input	9 channel	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	90Mbps	160Mbps	320Mbps
Live Viewing			
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content		
Multi Screen Display Local	1/1, 4/4, 1+5/1+5,	1/1, 4/4, 1+5/1+5,	1/1, 4/4, 1+5/1+5,
monitor(Main / Secondary):	1+7/1+7, 9/9	1+7/1+7, 9/9, 16/16	1+7/1+7, 9/9, 16/16
Multi Screen Display Client	up to 4 screen simultaneously: 1 ~ 64 Multiple Layouts		
E-Map	Live Viewing in E-Map (V Station)		
Function	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	4 x 4K@30fps / 16 x 1080p@30fps		
(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	4 x 3.5" HDD		
RAID	Max. 32TB (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 / Face pictures storage		
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			
Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus /			
Service Alarm Triggers	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		
Recognitive Camera Channel	Up to 16		
Face Recognition Access	Up to 9	Up to 16	Up to 32
Control Terminal Channel	Up to 9	Up to 16	Up to 32
People Counting Sensor	Up to 9	Up to 16	Up to 32
Channel	Up to 16		
LPR Camera Channel	64 libraries		
Face Picture Library	Up to 50,000		
LPR Library	Up to 100,000		
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, PPPoE, 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	256Mbps		
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	1 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		
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	13kg / 28.66lb (Gross Weight)		
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"		

NVR2821-04B/8HI

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

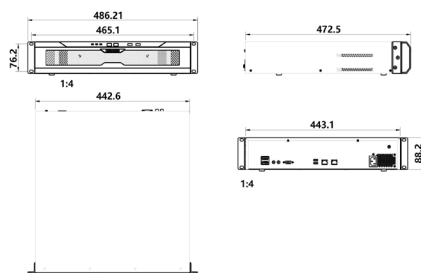
- Embedded Linux
- RAID 0/1/5/6/10
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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

	NVR2821-04009B/8HI	NVR2821-04016B/8HI	NVR2821-04032B/8HI
Video/Audio Input			
IP Camera Input	9 channel	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	90Mbps	160Mbps	320Mbps
Live Viewing			
Local Display	1 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	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
Multi Screen Display Client	up to 4 screen simultaneously: 1 ~ 64 Multiple Layouts		
E-Map Function	Live Viewing in E-Map (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	4 x 3.5" HDD		
RAID	Max. 32TB (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 / Face pictures storage		
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		
Recognitive Camera Channel	Up to 8		
Face Recognition Access	Up to 9	Up to 16	Up to 32
Control Terminal Channel	Up to 9	Up to 16	Up to 32
People Counting Sensor	Up to 9	Up to 16	Up to 32
Channel	Up to 8		
LPR Camera Channel	64 libraries		
Face Picture Library	Up to 50,000		
LPR Library	Up to 100,000		
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, 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		
Interfaces			
Ethernet	3 x Gigabit 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 RCA Line in / 1 x RCA Line out		
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	13kg / 28.66lb (Gross Weight)		
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"		

NVR2821-04B/4HI

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

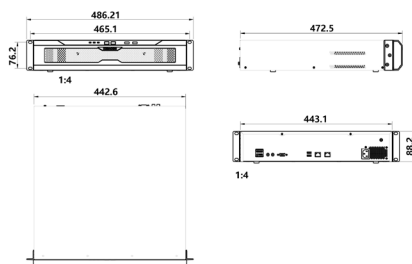
- Embedded Linux
- RAID 0/1/5/6/10
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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

	NVR2821-04009B/4HI	NVR2821-04016B/4HI	NVR2821-04032B/4HI
Video/Audio Input			
IP Camera Input	9 channel	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	90Mbps	160Mbps	320Mbps
Live Viewing			
Local Display	1 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	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
Multi Screen Display Client	up to 4 screen simultaneously: 1 ~ 64 Multiple Layouts		
E-Map Function	Live Viewing in E-Map (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	4 x 3.5" HDD		
RAID	Max. 32TB (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 / Face pictures storage		
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		
Recognitive Camera Channel	Up to 4		
Face Recognition Access	Up to 9	Up to 16	Up to 32
Control Terminal Channel	Up to 9	Up to 16	Up to 32
People Counting Sensor	Up to 9	Up to 16	Up to 32
Channel	Up to 4		
LPR Camera Channel	64 libraries		
Face Picture Library	Up to 50,000		
LPR Library	Up to 100,000		
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, 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		
Interfaces			
Ethernet	3 x Gigabit 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 RCA Line in / 1 x RCA Line out		
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	13kg / 28.66lb (Gross Weight)		
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"		

NVR2821-04B/16LI

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 6,000 face detection comparison library
- Supports up to 12,000 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

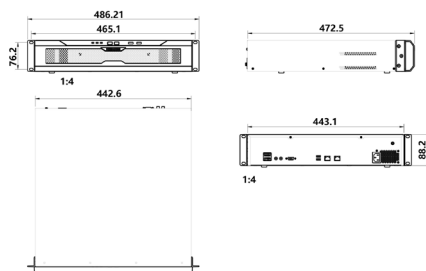
- Embedded Linux
- RAID 0/1/5/6/10
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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

	NVR2821-04009B/16LI	NVR2821-04016B/16LI	NVR2821-04032B/16LI
Video/Audio Input	9 channel	16 channel	32 channel
IP Camera Input	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Resolution	H.265 / H.264		
Compression	Onvif, RTSP, KEDACOM		
Protocols	64kbps ~ 16384kbps		
Bit rate	90Mbps	160Mbps	320Mbps
Incoming Bandwidth			
Live Viewing	1 x HDMI, 1 x VGA, simultaneously output different content		
Local Display	1/1, 4/4, 1+5/1+5, 1+7/1+7, 9/9	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
Multi Screen Display Local monitor	up to 4 screen simultaneously:		
(Main / Secondary):	1 ~ 64 Multiple Layouts		
Client	Live Viewing In E-Map (V Station)		
E-Map	E-PTZ / Scheme (V Station)		
Function			
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	4 x 4K@30fps / 16 x 1080p@30fps		
(Local Monitor)	up to 16 x 4K@30fps		
Synchronize Playback (Client)	Slow forward / Fast forward / Loop / Single frame / E-PTZ / Slice playback		
Function			
Storage			
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)		
Audio	Disk group / Quota / Disk dormancy / Face pictures storage		
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		
Recognitive Camera Channel	Up to 16		
Face Recognition Access	Up to 9	Up to 16	Up to 32
Control Terminal Channel			
People Counting Sensor Channel	Up to 9	Up to 16	Up to 32
LPR Camera Channel	Up to 4		
Face picture Library	64 libraries		
LPR Library	Up to 1,000 (6000 face comparison library optional)		
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, 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		
Interfaces			
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		
Environmental	2 x USB2.0, 2 x USB3.0		
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	13kg / 28.66lb (Gross Weight)		
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"		

NVR2821-04B/8LI

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 6,000 face detection comparison library
- Supports up to 12,000 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

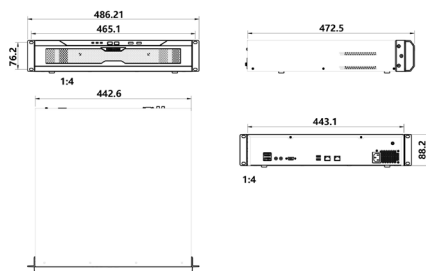
- Embedded Linux
- RAID 0/1/5/6/10
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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

	NVR2821-04009B/8LI	NVR2821-04016B/8LI	NVR2821-04032B/8LI
Video/Audio Input			
IP Camera Input	9 channel	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	90Mbps	160Mbps	320Mbps
Live Viewing			
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	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	Live Viewing In E-Map (V Station)		
Function	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	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)		
Audio	Disk group / Quota / Disk dormancy / Face pictures storage		
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		
Recognitive Camera Channel	Up to 8		
Face Recognition Access	Up to 9	Up to 16	Up to 32
Control Terminal Channel	Up to 9	Up to 16	Up to 32
People Counting Sensor Channel	Up to 9	Up to 16	Up to 32
LPR Camera Channel	Up to 4		
Face picture Library	64 libraries		
LPR Library	Up to 1,000 (6000 face comparison library optional)		
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, 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		
Interfaces			
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		
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	13kg / 28.66lb (Gross Weight)		
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"		

NVR2821-04B/2LI

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 6,000 face detection comparison library
- Supports up to 12,000 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

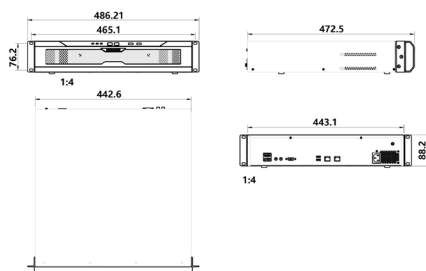
- Embedded Linux
- RAID 0/1/5/6/10
- Supports Automatic Network Replenishment (ANR)
- Supports Packet Loss Recovery (PLR)

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

	NVR2821-04009B/2LI	NVR2821-04016B/2LI	NVR2821-04032B/2LI
Video/Audio Input			
IP Camera Input	9 channel	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	90Mbps	160Mbps	320Mbps
Live Viewing			
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	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	Live Viewing in E-Map (V Station)		
Function	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	4 x 3.5" HDD		
RAID	Max. 32TB (up to 8TB/each)		
External	RAID 0/1/5/6/10		
Function	IP SAN (iSCSI), up to 10 x IP SAN, Max. 100T (optional)		
Audio			
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC / G.726		
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AI			
Face Matching	Real-time / Post-event		
Search Mode	Date and time / Camera / Face image		
Recognitive Camera Channel	Up to 2		
Face Recognition Access	Up to 9	Up to 16	Up to 32
Control Terminal Channel	Up to 9	Up to 16	Up to 32
People Counting Sensor Channel	Up to 2		
LPR Camera Channel	Up to 2		
Face picture Library	64 libraries		
LPR Library	Up to 1,000 (6000 face comparison library optional)		
System			
Operating System	Embedded Linux		
User Management	Admin / User		
Log Management	User login / User operation / Alarm / Backup / Update		
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