

# NVR2881-16128B

## 16-Bay H.265 4K 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 128 channel
- Up to 512Mbps incoming bandwidth
- 384Mbps output bandwidth
- 16 user access simultaneously
- Max. 16 HDDs up to 256TB storage
- IPSAN storage supported

#### 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

	NVR2881-16128B
<b>Video/Audio Input</b>	
IP Camera Input	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	512Mbps
<b>Live Viewing</b>	
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-Map 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	16x 3.5" HDD
RAID	Max. 256TB (up to 16TB/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
<b>Audio</b>	
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
<b>Alarm</b>	
Service Alarm Triggers	Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus / Entry Guard Area / Scene change / Enter guard area / Exit guard area / Vehicle Detection / Object left / Object removal / Gathering / Audio surge / Face & Body Detection / Intrusion Detection
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>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, HTTPS, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SSH, NTP, SNMP, IGMP, SMTP, Unicast, Multicast, 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
<b>Interfaces</b>	
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
<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	20kg / 44lb (HDD not included)
Dimensions	483 x 500 x 156mm / 19.02" x 19.69" x 6.14"
Standard	CE, FCC, EMC, LVD

### Dimensions

Units:mm

