

# NVR1829-01B

## 1 Bay Commercial Network Video Recorder



### Features

#### High-performance

- H.265 supported
- 1 x 4K@30fps / 4 x 1080p@30fps video decoding capability
- Up to 16 channels and 4K supported
- Up to 80Mbps incoming bandwidth
- Up to 64Mbps output bandwidth

#### Small size

- 0.7kg / 1.54lb
- 254 x 194 x 33mm / 10" x 7.64" x 1.3"

#### Easy to install

- Automatic network organizing
- Built-in DHCP server

#### High reliability

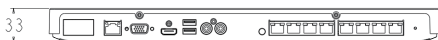
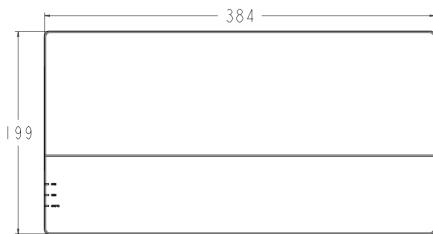
- Embedded Linux
- Low power consumption
- Supports Packet Loss Recovery (PLR)

#### Abundant functions and features

- Long term recording
- 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

	NVR1829-01004B/4P	NVR1829-01009B/4P	NVR1829-01016B/4P	NVR1829-01004B	NVR1829-01009B	NVR1829-01016B
<b>Video/Audio Input</b>						
IP Camera Input	4 channel	9 channel	16 channel	4 channel	9 channel	16 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					
Incoming Bandwidth	20Mbps	45Mbps	80Mbps	20Mbps	45Mbps	80Mbps
<b>Live Viewing</b>						
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content					
Multi Screen Display	1/1, 4/4, 1+5/1+5, 1+7/1+7, 9/9, 16/16					
Local monitor						
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) / Virtual channel					
<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) / Long term recording					
Event Trigger	Supported					
Tag	Supported					
<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	1 x 4K@30fps	1 x 4K@30fps / 4 x		1 x 4K@30fps	1 x 4K@30fps / 4 x	
(Local Monitor)	/ 4 x	1080p@30fps / 9 x		/ 4 x	1080p@30fps / 9 x	
Playback (Client)	up to 16 x 4K@30fps					
Synchronize						
Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps / 9 x 720p@30fps					
Synchronize						
Playback (Client)	up to 16 x 4K@30fps					
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ					
<b>Storage</b>						
Max. Internal HDDs	1 x 3.5" HDD					
	Max. 8TB (up to 8TB/each)					
<b>Audio</b>						
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC					
Bit rate	32kbps ~ 64kbps					
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting					
<b>Alarm</b>						
Service Alarm	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					
Triggers	Device disconnected / No disk / Disk error / IP Address conflict / Network disconnected / Low speed / Insufficient recording space / MAC address conflict / Insufficient snapshot space					
System Alarm	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					
Triggers						
Alarm Events						
<b>System</b>						
Operating System	Embedded Linux					
User Management	Admin / User					
Log Management	User login / User operation / Alarm / Backup / Update					
Application	V Station SDK					
Programming						
<b>Network</b>						
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNTp, VSIP, UPNP, SMTP, IPv4, IPv6 (optional)					
Viewer Software	CMS (V Station) / Web / iOS app / Android app					
Max. User Access	16 Users					
Output Bandwidth	64Mbps					
Function	NAT / Multiple network access / Packet loss recovery / Auto network organizing					
Network Test	Supported					
<b>Interfaces</b>						
Ethernet	1 x 10/100M, RJ45 interface		1 x Gigabit network port, RJ45 interface	1 x 10/100M, RJ45 interface		1 x Gigabit network port, RJ45 interface
PoE	4 x 10/100M PoE port, RJ45 interface, 15W / each port					
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					
USB	2 x USB 2.0					
<b>Environmental</b>						
Operating						
Temperature	-10°C ~ 55°C / 14°F ~ 131°F					
Operating Humidity	10% ~ 90%					
<b>Electrical</b>						
Power	48V DC ± 10%			12V DC ± 10%		
Power Consumption	Max. 40W (HDD not included)			Max. 10W (HDD not included)		
<b>Mechanical</b>						
Weight	0.7kg / 1.54lb (HDD not included)			0.6kg / 1.32lb (HDD not included)		
Dimensions	254 x 194 x 33mm / 10" x 7.64" x 1.3"					