

# NVR1828-01B

## 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

- 1.2kg / 2.65lb
- 384 x 199 x 33mm / 15.1" x 7.83" x 1.3"

#### Easy to install

- Automatic network organizing
- Built-in DHCP server

#### High reliability

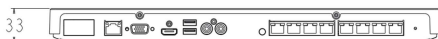
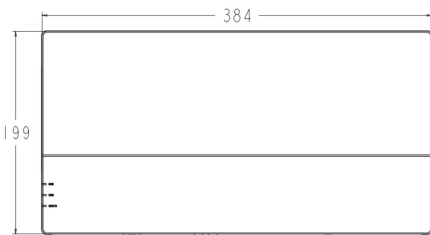
- Embedded Linux
- Low power consumption
- Supports Packet Loss Recovery (PLR)

#### 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

	NVR1828-01009B/8P	NVR1828-01016B/8P
<b>Video/Audio Input</b>	9 channel	16 channel
IP Camera Input	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA,	
Resolution	D1, CIF, OCIF	
Compression	H.265 / H.264	
Protocols	Onvif, RTSP, KEDACOM	
Incoming Bandwidth	45Mbps	80Mbps
<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	
Multi Screen Display Client	up to 4 screen simultaneously:	
E-Map	1 ~ 64 Multiple Layouts	
Function	Live Viewing in E-Map (V Station)	
<b>Recording</b>	E-PTZ / Scheme (V Station) / Virtual channel	
Resolution	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA,	
Mode	D1, CIF, OCIF	
Event Trigger	Manual / Continuous / Schedule / Event (Pre / Post) / Long term	
Tag	recording	
<b>Search &amp; Playback</b>	Supported	
Search Mode	Supported	
Resolution	Date and time (Calendar) / Event	
Playback (Local Monitor)	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA,	
Playback (Client)	D1, CIF, OCIF	
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	4 x 1080p@30fps	
<b>Storage</b>	up to 16 x 4K@30fps	
Max. Internal HDDs	Slow forward / Fast forward / Loop / Single frame / E-PTZ	
Audio	1 x 3.5" HDD	
Bit rate	Max. 8TB (up to 8TB/each)	
Audio Function	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC	
<b>Alarm</b>	32kbps ~ 64kbps	
Service Alarm Triggers	Bi-directional audio / Dumb / Mute / Broadcasting	
System 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	
Alarm Events	Device disconnected / No disk / Disk error / IP Address conflict / Network disconnected / Low speed / Insufficient recording space / MAC address conflict / Insufficient snapshot space	
<b>System</b>	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	
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, 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 Gigabyte network port, RJ45 interface
PoE	8 x 10/100M PoE port, RJ45 interface, 15W / each port	
Video Out	1 x HDMI (up to 3840 x 2160@60Hz)	
Audio In / Out	1 x RCA Line in / 1 x RCA Line out	
Alarm In / Out	4 x Inputs / 2 x Outputs	
Control	1 x RS485	
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%	
Power Consumption	Max. 40W (HDD not included)	
<b>Mechanical</b>		
Weight	1.2kg / 2.65lb (HDD not included)	
Dimensions	384 x 199 x 33mm / 15.1" x 7.83" x 1.3"	