

# NVR1828-02B

## 2 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

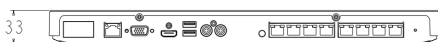
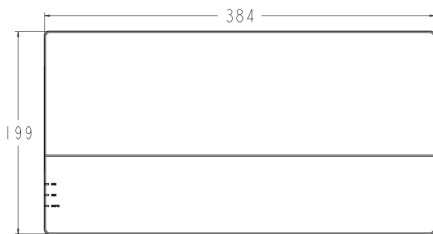
- Embedded Linux
- Low power consumption
- Supports Packet Loss Recovery (PLR)

#### 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

	NVR1828-02009B/8P	NVR1828-020016B/8P	NVR1828-02004B	NVR1828-02009B	NVR1828-02016B
<b>Video/Audio Input</b>					
IP Camera Input	8channel	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	45Mbps	80Mbps	20Mbps	45Mbps	80Mbps
<b>Live Viewing</b>					
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, 16/16				
Multi Screen	up to 4 screen simultaneously:				
Display Client	1 ~ 64 Multiple Layouts				
E-Map	Live Viewing in E-Map (NVR 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 (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps / 9 x 720p@30fps	1 x 4K@30fps / 4 x 1080p@30fps / 9 x 720p@30fps	1 x 4K@30fps / 4 x 1080p@30fps	1 x 4K@30fps / 4 x 1080p@30fps	1 x 4K@30fps / 4 x 1080p@30fps
Playback (Client)	up to 16 x 4K@30fps				
Synchronize					
Playback (Local Monitor)	4 x 1080p@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	2 x 3.5" HDD				
	Max. 16TB (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					
System Alarm	Device disconnected / No disk / Disk error / IP Address conflict / Network disconnected / Low speed / Insufficient recording space / MAC address conflict / Insufficient snapshot space				
Triggers					
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	V Station SDK				
Programming					
<b>Network</b>					
Network Protocols	CMS (V Station) / Web / iOS app / Android app				
Viewer Software	16 Users				
Max. User Access	64Mbps				
Output Bandwidth	NAT / Multiple network access / Packet loss recovery / Auto network organizing				
Function	Supported				
Network Test	Supported				
<b>Interfaces</b>					
Ethernet	1 x 10/100M, RJ45 interface	1 x Gigabite network port, RJ45 interface	1 x 10/100M, RJ45 interface	1 x Gigabite 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) 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	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%			12V DC ± 10%	
Power Consumption	Max. 80W (HDD not included)			Max. 15W (HDD not included)	
<b>Mechanical</b>					
Weight	1.2kg / 2.65lb (HDD not included)			1kg / 2.2lb (HDD not included)	
Dimensions	384 x 199 x 33mm / 15.1" x 7.83" x 1.3"				