

# NVR2860E-08032A-TU

## 8 Bay RAID 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 channels
- Up to 320Mbps incoming bandwidth
- 256Mbps output bandwidth
- 64 user access simultaneously
- Max. 8 HDDs up to 64TB storage
- e-SATA storage supported

#### Easy to install

- Automatic 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)
- N+1 Hot Backup

#### Abundant functions and features

- HDMI/VGA simultaneously output different content
- E-Map, TV-Wall supported
- Bi-directional audio, Broadcasting
- NAT, Socks5
- Alarm management
- Free CMS (NVR Station), supports 128 NVR simultaneously
- CMS supports 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

### Specifications

	NVR2860E-08016A-TU	NVR2860E-08032A-TU	NVR2860E-08048A-TU	NVR2860E-08064A-TU
<b>Video/Audio Input</b>	16 channel	32 channel	48 channel	64 channel
IP Camera Input	8MP(4K), 6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
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	320Mbps	320Mbps
<b>Live Viewing</b>				
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content			
"Multi Screen Display Local monitor (Main / Secondary):"	1, 3, 4, 9, 15, 16, 1+4, 1+8, 1+9, 1+15, 1/1, 2/1, 4/1, 9/1, 15/1, 16/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9	1, 3, 4, 9, 15, 16, 25, 36, 1+4, 1+8, 1+9, 1+15, 1/1, 2/1, 4/1, 9/1, 15/1, 16/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9, 16/16	1, 3, 4, 9, 15, 16, 25, 36, 48, 1+4, 1+8, 1+9, 1+15, 1/1, 2/1, 4/1, 9/1, 15/1, 16/1, 36/1, 48/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9, 16/16	1, 3, 4, 9, 15, 16, 25, 36, 48, 64, 1+4, 1+8, 1+9, 1+15, 1/1, 2/1, 4/1, 9/1, 15/1, 16/1, 36/1, 48/1, 64/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9, 16/16
Multi Screen Display Client	1, 3, 4, 9, 12, 16, 20, 25, 30, 36, 42, 49, 56, 63, 64			
E-Map Function	1+5, 1+7, 1+8, 1+9, 1+11, 1+12, 1+13, 1+15, 1+16, 1+33, 1+47, 1+48			
<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)	4 x 4K@30fps			
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ / Slice playback			
<b>Storage</b>				
Max. Internal HDDs	8 x 3.5" HDD			
RAID	Max. 64TB (up to 8TB/each) RAID 0/1/5/6/10			
External	IPSAN (iSCSI), up to 10 x IPSAN, Max. 100T (optional) e-SATA			
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 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	NVR Station SDK			
<b>Network</b>				
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNTP, VSIP, UPNP, SMTP, Unicast, Multicast, IPv4, IPv6 (optional)			
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app			
Max. User Access	64 Users			
Output Bandwidth	256Mbps			
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing			
<b>Network Test</b>				
Hot Backup	Supported			
<b>Interfaces</b>				
Ethernet	2 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			
Alarm In / Out	2 x Inputs / 2 x Outputs			
Control	2 x RS485			
USB	2 x USB2.0, 1 x USB3.0			
e-SATA	1 x e-SATA			
<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. 20W (HDD not included)			
<b>Mechanical</b>				
Weight	12.5kg / 27.5lb (HDD not included)			
Dimensions Standard	443 x 561 x 88mm / 16.93" x 22.09" x 3.46" CE, FCC, EMC, LVD			

### Dimensions

Units:mm

