Large Enterprise NVR-AS
Enterprise Recording. Intelligently Designed.

The IndigoVision Large Enterprise NVR-AS can record up to 800 cameras, has data throughput of 4Gbps and up to 3PB of usable storage. Guaranteed tamper free evidence, automatic failover and integrated backup. The Large Enterprise NVR-AS can also integrate other security systems for complete alarm management and has recording support for multiple camera manufacturers including ONVIF.

### Key Features

- H.264
- H.265
- JPEG 2000
- MJPEG
- MPEG-4
- AAC
- G.711
- DNA
- Firewall
- 19” Rack
- ADAPT
- RAID6
- Dual RAID
- SAS

### Product Codes

<table>
<thead>
<tr>
<th>800 Channel</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Enterprise NVR-AS 4000 G3 750TB</td>
<td>980440</td>
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<tr>
<td>Large Enterprise NVR-AS 4000 G3 1.5PB</td>
<td>980441</td>
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<tr>
<td>Large Enterprise NVR-AS 4000 G3 2.25PB</td>
<td>980442</td>
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<tr>
<td>Large Enterprise NVR-AS 4000 G3 3.0PB</td>
<td>980443</td>
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</tbody>
</table>

* Includes Hardware ProSupport

* Supported as of Control Center v16.0 or later.
### General Specification

**Specification**

<table>
<thead>
<tr>
<th>Form Factor</th>
<th>7U</th>
<th>12U</th>
<th>17U</th>
<th>22U</th>
</tr>
</thead>
<tbody>
<tr>
<td>1x 2U Storage Array Server + 1x 5U Storage Array</td>
<td>750</td>
<td>1500</td>
<td>2250</td>
<td>3000</td>
</tr>
</tbody>
</table>

**Disk Space (TB)**

<table>
<thead>
<tr>
<th>Disk Space (TB)</th>
<th>800 Channel</th>
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</thead>
<tbody>
<tr>
<td>750</td>
<td>168 (Hot-swappable)</td>
</tr>
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</table>

**Performance (Streams)**

<table>
<thead>
<tr>
<th>Performance (Streams)</th>
<th>800 Recording plus simultaneous playback of 150 streams</th>
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<tbody>
<tr>
<td>4000 Mbps in; 750 Mbps out; 4750 Mbps total</td>
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</tbody>
</table>

**Processor**

2 x Intel Xeon Silver 4110

**Memory**

32GB RAM (4 x 8GB)

**System Dimensions/Weight**

<table>
<thead>
<tr>
<th>System Dimensions/Weight</th>
<th>800 Channel</th>
</tr>
</thead>
<tbody>
<tr>
<td>974.7mm (d) x 483mm (w) x 306.6mm (h) and 168.1Kg</td>
<td>974.7mm (d) x 483mm (w) x 531.9mm (h) and 331.1Kg</td>
</tr>
</tbody>
</table>

**Dimensions/Weight**

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</tr>
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<tbody>
<tr>
<td>Storage Array Server - 755.8mm (d) x 462mm (w) x 87.3mm (h) and 33.1Kg</td>
<td>Storage Array - 974.7mm (d) x 483mm (w) x 222.3mm (h) and 1835Kg</td>
</tr>
</tbody>
</table>

**Supported Operating Systems**

Windows Server 2016 for Embedded Systems

**Automatic Storage Management**

Policy based management options for automatic deletion or protection of old footage

**Recording Hard Drive**

Dual redundant RAID1 mirrored drives separate from Recording Hard Drives

**RAID Controller**

Dual Hardware RAID Controller with battery and flash backed cache configured as ADAPT*

**Attached Storage**

Dual attached, Dual redundant 12Gbps SAS

**Network Interface**

Dual Port Redundant 10Gb SFP+ (Video), Dual Port Redundant 1Gbps (Server Management), Dual Port Redundant 1Gbps (Storage Array Management), TCP, UDP, ICMP, IGMP, SNMP, HTTP, NTP, FTP

**Network Security**

Windows Server Firewall, Network Access Protection (NAP)

**Regulatory**

EN 60950-1, IEC 60950-1, EN 55022, CISPR 22, EN 61000-3-2, EN 55024, IEC 61000-3-2 (Class D), EN 61000-3-3, IEC 61000-3-3, CISPR 24, UL 60950-1

**Housing**

Mild Steel Chassis and Fascia

**Electrical**

Storage Array Server - 2 x 1100W, 100-240VAC, 50/60 Hz, Auto Switching, Dual-Redundant Hot Swap PSU

Storage Array - 2200W, 7507 BTU, 200-240 VAC, 11.07-9.23A (x2), 50/60 Hz, Auto Switching, Dual Hot Swappable PSU

**Operating Temperature**

10°C to 35°C

**System Management**

iDRAC9 Express

**Supplied Accessories**

Rack Mount Kit (brackets, static rails and mounting hardware), removable lockable fascia, PDU power cords (x2) and USB restore media

**Onboard Diagnostics**

Fault alarm notification within Control Center for storage array RAID degradation, server operating system RAID degradation, RAID controllers, enclosures, fans, redundant power supplies, redundant network and temperature faults***. Additionally, embedded monitoring tools provide detailed fault diagnosis for all faults on the storage array server and storage array.

**Control Center Licensed Features**

The availability of the following NVR features varies based on the Control Center software product the NVR is connected to**

**Licensing**

IndigoVision NVR appliances do not need a separate license. Video from any connected camera or encoder to the system can be recorded

**Video**

Simultaneously record and playback full frame rate, full resolution video streams from any connected IndigoVision IP Camera or Encoder. Record and playback from other devices including ONVIF Profile S confromant cameras and encoders as well as devices integrated via Camera Gateway™

**Audio**

Recording and playback of AAC and G.711 audio****

**Thumbnails**

Indexed recordings for rapid display of time-based, alarm-based or motion-based thumbnails

**Alarms**

Recording and logging of alarms and events

**Bookmarks**

Recording and logging of bookmarks in association with recordings

**Integrated Data**

Recording and logging of millions of data records from LPR, EPOS and other integrations

**Analytics**

Recording and playback of motion analysis data from cameras****

**Redundancy and Failover**

Full DNA support, sophisticated failover and mirroring strategies amongst multiple NVRs for increased resilience and redundancy

**Digital Watermarking**

Digital signing at point of recording and at export*

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* Can also be configured as RAID6. ** Please check the Control Center datasheets for more information. *** Please note that NVR-AS 15.4.10 or later is required. **** Features may vary based on capabilities of camera model.

* With or without Tamper Protection enabled.

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**Note:** IndigoVision reserves the right to change specifications at any time.