



IndigoVision

NVR-AS 4000 RANGE



Large Enterprise NVR-AS

Enterprise Recording. Intelligently Designed.

With seven times the performance of the nearest alternative, the IndigoVision Large Enterprise NVR-AS can record up to 700 cameras, has data throughput of 2000 Mbps and up to 1.2PB 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

COMPRESSION

- H.264
- H.264
- JPEG 2000
- MJPEG
- MPEG-4

- GUARANTEED 30fps
- AAC
- G.711

OTHER

- DNA
- Firewall
- Windows

PHYSICAL

- 19" Rack
- Power
- Network
- Fans

STORAGE

- RAID6
- Dual RAID
- SATA

Product Codes

350 Channel		Inc. Hardware ProSupport
Large Enterprise NVR-AS 200TB 5U		980401
Large Enterprise NVR-AS 400TB 5U		980501
Large Enterprise NVR-AS 800TB 9U		980502
Large Enterprise NVR-AS 1.2PB 13U		980504
700 Channel		Inc. Hardware ProSupport
Large Enterprise NVR-AS 800TB 10U		980503

Specification

	350 Channel			700 Channel
Form Factor	5U 1x 1U Storage Array Server + 1x 4U Storage Array		9U 1x 1U Storage Array Server + 2x 4U Storage Array	13U 1x 1U Storage Array Server + 3x 4U Storage Array
Disk Space (TB)	200	400	800	800
Minimum Retention Time (Days)	20		40	20
Recording Hard Drive Bays	60 (Hot-swappable)		120 (Hot-swappable)	120 (Hot-swappable)
Performance (Streams)	350 Recording plus simultaneous playback of 75 streams [^]			700 Recording plus simultaneous playback of 150 streams [^]
Performance (Throughput)	1000 Mbps in; 800 Mbps out; 1800 Mbps total [^]			2000 Mbps in; 1600 Mbps out; 3600 Mbps total [^]
System Dimensions/Weight	825.5mm (d) x 482.6mm (w) x 220.6mm (h) and 117Kg / 32.5in (d) x 19.0in (w) x 8.69in (h) and 257.94lb	825.5mm (d) x 482.6mm (w) x 398.4mm (h) and 222Kg / 32.5in (d) x 19.0in (w) x 15.69in (h) and 489.43lb	825.5mm (d) x 482.6mm (w) x 576.2mm (h) and 327Kg / 32.5in (d) x 19.0in (w) x 22.69in (h) and 720.91lb	825.5mm (d) x 482.6mm (w) x 441.2mm (h) and 234Kg / 32.5in (d) x 19.0in (w) x 17.37in (h) and 515.88lb
Electrical	Total - 1920W		Total - 3286W	Total - 4652W

General Specification	
Operating System	Windows Server® 2008 R2 for Embedded Systems Essentials
Video	Simultaneously record and playback full frame rate, full resolution video streams from any IndigoVision IP Camera or Encoder. Record and playback from other devices**
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
Automatic Storage Management	Policy based management options for automatic deletion or protection of old footage
Digital Watermarking	Digital signing at point of recording and at export
Recording Hard Drive	3.5in Nearline SAS
Operating System and Configuration Hard Drive Bays	Dual redundant RAID1 mirrored drives separate from Recording Hard Drives
RAID Controller	Dual Hardware RAID Controller with battery and flash backed cache configured as RAID6
Attached Storage	Direct attached, Dual redundant 6Gbps SAS
Network Interface	Dual Port Redundant 10Gb SFP+ (Video), Dual Port Redundant 1Gbps (Management), TCP, UDP, ICMP, IGMP, SNMP, HTTP, NTP, Telnet, FTP
Network Security	Enhanced Windows Server 2008 Firewall, Network Access Protection (NAP)
Dimensions/Weight	Storage Array Server - 607mm (d) x 434mm (w) x 43.0mm (h) and 12Kg / 23.90in (d) x 17.09in (w) x 1.69in (h) and 26.46lb Storage Array - 825.5mm (d) x 482.6mm (w) x 177.8mm (h) and 105Kg / 32.5in (d) x 19.0in (w) x 4.64in (h) and 231.49lb
Regulatory	EN 60950-1, IEC 60950-1, EN 62311, 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
Housing	Mild Steel Chassis and Fascia
Electrical	Storage Array Server - 350W, 100-220VAC, 50/60 Hz, Auto Switching, Dual Hot Swappable PSU Storage Array - 1755W, 220VAC, 50/60 Hz, Auto Switching, Dual Hot Swappable PSU
Operating Temperature	10°C to 35°C (50°F to 95°F)
Processor	Intel Xeon E5
Memory	12GB RAM (3 x 4GB)
System Management	iDRAC7 Express
Supplied Accessories	Rack Mount Kit (brackets, static rails and mounting hardware), removable lockable fascia, 3m Direct Attach twinax cable kit with SFP+ connectors, PDU power cords (x2) and USB restore media
Onboard Diagnostics	Disk, Redundancy, Controllers, Enclosures, Fans, Power Supplies, Temperatures

* Features may vary based on capabilities of camera model. ** ONVIF or supported via IndigoVision Camera Gateway™ ^ With or without Digital Watermarking enabled.

Accessories

Accessories	Product Code
Direct Attach twinax cable kit with SFP+ connectors – 1m	110351
Direct Attach twinax cable kit with SFP+ connectors – 3m ^{^^}	110352
Direct Attach twinax cable kit with SFP+ connectors – 5m	110353
Large Enterprise NVR-AS 4000 4TB SAS Hard Disk Caddy & Disk	110314
Large Enterprise NVR-AS 4000 8TB SAS Hard Disk Caddy & Disk	110318
10GBASE-SR fibre optic SFP+ transceiver	110361

^{^^} Included as standard with every Large Enterprise NVR-AS.