



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 600 cameras, has data throughput of 3Gbps and up to 1.5PB 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 25fps
- AAC
- G.711

OTHER

- DNA
- Firewall
- Windows

PHYSICAL

- 19" Rack
- Power
- Network
- Cooling

STORAGE

- RAID6
- Dual RAID
- SAS

Product Codes

350 Channel		Inc. Hardware ProSupport
Large Enterprise NVR-AS 200TB 5U		980406
600 Channel		Inc. Hardware ProSupport
Large Enterprise NVR-AS 500TB 5U		980407
Large Enterprise NVR-AS 1.0PB 9U		980408
Large Enterprise NVR-AS 1.5PB 13U		980409

Specification

General Specification	350 Channel		600 Channel	
Form Factor	5U 1x 1U Storage Array Server + 1x 4U Storage Array	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	500	1000	1500
Recording Hard Drive Bays	60 (Hot-swappable)	60 (Hot-swappable)	120 (Hot-swappable)	180 (Hot-swappable)
Performance (Streams)	350 Recording plus simultaneous playback of 25 streams			
Performance (Throughput)	2400 Mbps in; 200 Mbps out; 2600 Mbps total			
Processor	1 x Intel Xeon E5 v3		2 x Intel Xeon E5 v3	
Memory	16GB RAM (4 x 4GB)		32GB RAM (8 x 4GB)	
System Dimensions/Weight	825.5mm (d) x 482.6mm (w) x 220.6mm (h) and 124.9Kg	825.5mm (d) x 482.6mm (w) x 220.6mm (h) and 124.9Kg	825.5mm (d) x 482.6mm (w) x 398.4mm (h) and 229.9Kg	825.5mm (d) x 482.6mm (w) x 576.2mm (h) and 334.9Kg
Electrical	Total - 1920W		Total - 3286W	
Dimensions/Weight	Storage Array Server - 677.3mm (d) x 434.0mm (w) x 43.0mm (h) and 19.9Kg. Storage Array - 825.5mm (d) x 482.6mm (w) x 177.8mm (h) and 105Kg.			
Operating System	Windows Server® 2012 R2 for Embedded Systems Essentials			
Automatic Storage Management	Policy based management options for automatic deletion or protection of old footage			
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 12Gbps 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)			
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			
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)			
System Management	iDRAC8 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	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 conformant 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			

* Features may vary based on capabilities of camera model. ** Please check the Control Center datasheets for more information. ^ 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 10TB SAS Hard Disk Caddy & Disk	110319
10GBASE-SR fibre optic SFP+ transceiver	110361

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