



IndigoVision

NVR-AS 4000 RANGE



Enterprise NVR-AS

Enterprise Recording. Intelligently Designed.

With double the performance of the nearest alternative, the IndigoVision Enterprise NVR-AS can record up to 200 cameras, has data throughput of 2 Gbps and up to 112TB usable storage. Guaranteed tamper free evidence, automatic failover and integrated backup. Available with Windows or Linux, the Enterprise NVR-AS can also integrate other security systems for complete alarm management and has recording support for multiple camera manufacturers.

Key Features

COMPRESSION

H.264	H.264	JPEG 2000	MJPEG	MPEG-4
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GUARANTEED 25fps	AAC	G.711
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OTHER

DNA	Firewall		
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PHYSICAL

1U Height	2U Height	19" Rack		
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STORAGE

RAID5	RAID6	SATA
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Product Codes

100 Channel	Windows	Linux
Enterprise NVR-AS RA6TB	980455	980555
Enterprise NVR-AS RA12TB	980456	980556
Enterprise NVR-AS RA24TB	980458	980558
200 Channel	Windows	Linux
Enterprise NVR-AS RA40TB	980450	N/A
Enterprise NVR-AS RA60TB	980451	980578
Enterprise NVR-AS RA112TB	980453	980553

Enhanced Management Software Licenses

Number of Channels	1 Channel	Failover Channel
ONVIF or Camera Gateway™ license per device	314001	314071

Specification

	100 Channel			200 Channel		
Form Factor	1U	1U	1U	2U	2U	2U
Disk Space (TB)	6	12	24	40	60	112
Recording Hard Drive Bays	4 (Hot-swappable)			12 (Hot-swappable)		16 (Hot-swappable) ^{^^}
Operating System Hard Drive Bays	On recording hard drives			Dual redundant separate mirrored drives configured as RAID1		
RAID Controller	Hardware RAID Controller configured as RAID5			Hardware RAID Controller with Flash Backed Cache configured as RAID6		
Performance (Streams)	100 Recording plus simultaneous playback of 25 streams [^]			200 Recording plus simultaneous playback of 25 streams [^]		
Performance (Throughput)	128 Mbps in; 200 Mbps out; 328 Mbps total [^]			100/1000 Mbps Ethernet: 500 Mbps in; 200 Mbps out; 700 Mbps total [^] 10 Gbps Ethernet: 1.6 Gbps in; 400 Mbps out; 2.0 Gbps total [^]		
Network Interface	Dual Port Redundant 100/1000 BaseT RJ-45 Connections, configured as an 802.1ax LACP aggregated group			Windows: Dual Port Redundant 10GB DA/SFP+ and Dual Port Redundant 100/1000 BaseT RJ-45 Connections, configured as an 802.1ax LACP aggregated group Linux: Quad Port Redundant 100/1000 BaseT RJ-45 configured as an 802.1ax LACP aggregated group		
Dimensions/Weight	497mm (d) x 434mm (w) x 43.0mm (h) and 9.51Kg			719.5mm (d) x 444mm (w) x 87.5mm (h) and 36.5Kg		
Electrical	250W, 100-240VAC, 50/60 Hz, Auto Switching, Single PSU, Secondary Dual-Redundant Hot Swap PSU not supported			750W, 100-240VAC, 50/60 Hz, Auto Switching, Single Hot Swappable PSU, Secondary Dual-Redundant Hot Swap PSU support		

General Specification	Windows	Linux
Operating System	Windows Server® 2012 R2 for Embedded Systems Essentials	IndigoVision NVR Appliance Operating System
Processor	100 Channel - Intel Xeon E3 200 Channel - Intel Xeon E5	
Memory	Windows 100 Channel - 8GB RAM DDR4, 200 Channel - 16GB RAM DDR4	8GB RAM DDR4
Video	Local viewing not supported. 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 SATA	
Network Security	Enhanced Windows Server 2012 Firewall, Network Access Protection (NAP)	SSH, SFTP, Embedded Linux Firewall
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	
Operating Temperature	10°C to 35°C	
System Management	100 Channel - iDRAC8 Basic 200 Channel - iDRAC8 Express	
Supplied Accessories	Rack Mount Kit (brackets, static rails and mounting hardware), removable lockable fascia, PDU power cord and USB restore media ^{^^^}	
Onboard Diagnostics	Embedded monitoring tools for RAID degradation, controllers, enclosures, fans, power supplies and temperatures	Control Center Fault Alarm Notification for RAID degradation, fans, redundant power supplies and redundant network in addition to standard embedded monitoring tools
ONVIF	Record and playback ONVIF Profile S Conformant cameras and encoders	

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

^{^^} 16 Bay Chassis has 12 Hard Drive Bays accessible from front of chassis and 4 Internal Hard Drive Bays accessible from the top panel of chassis.

^{^^^} 16 Bay Chassis Rack Mount Kit includes sliding rail system with cable management.

Accessories

Accessories	Product Code
Enterprise NVR-AS 2TB SATA Hard Disk Caddy & Disk	110302
Enterprise NVR-AS 3TB SATA Hard Disk Caddy & Disk	110303
Enterprise NVR-AS 4TB SATA Hard Disk Caddy & Disk	110304
Enterprise NVR-AS 6TB SATA Hard Disk Caddy & Disk	110306
Enterprise NVR-AS 8TB SATA Hard Disk Caddy & Disk	110308
Enterprise NVR-AS 8TB SATA Hard Disk Caddy & Disk (Internal Bay)	110328
Enterprise NVR-AS 200 Channel Redundant PSU	110016
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
10GBASE-SR fibre optic SFP+ transceiver	110361
Sliding rack rails with cable management arm	110300