



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 192TB usable storage. Guaranteed tamper free evidence, automatic failover and integrated backup. Available with Windows, 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.265
JPEG 2000
MJPEG
MPEG-4

AAC
G.711

OTHER

DNA
W


PHYSICAL

2U Height
19" Rack



STORAGE

RAID6
SATA

Product Codes

200 Channel	Product Code
Enterprise NVR-AS 48TB	980480
Enterprise NVR-AS 120TB	980486
Enterprise NVR-AS 168TB	980487

*Supported from Control Center v16.0 or later

Specification

General Specification		200 Channel	
Form Factor	2U	2U	2U
Disk Space (TB)	48	120	168
Recording Hard Drive Bays	8 of 12	12 of 14	16 of 18
Expandable to Disk Space (TB)	56, 64, 72, 80	132, 144	180, 192
Compatible Drives (TB)	8	12	
Performance (Streams)	200 Recording plus simultaneous playback of 50 streams		
Performance (Throughput)	Windows - 10 Gbps Ethernet: 1.6 Gbps in; 240 Mbps out; 1.84 Gbps total	Windows - 10 Gbps Ethernet: 2.0 Gbps in; 400 Mbps out; 2.4 Gbps total	
Processor	2 x Intel Xeon Silver 4110		
Memory	16GB RAM DDR4		
Dimensions/Weight	755.8mm (d) x 444mm (w) x 87.3mm (h) and 33.1Kg		
Supported Operating Systems	Windows - Windows Server® 2016 for Embedded Systems Essentials Linux - IndigoVision NVR Appliance Operating System		
Automatic Storage Management	Policy based management options for automatic deletion or protection of old footage		
Recording Hard Drive	3.5in SATA		
Operating System and Configuration Hard Drive Bays	Dual redundant separate mirrored drives configured as RAID1		
RAID Controller	Hardware RAID Controller with Flash Backed Cache configured as RAID6		
Network Interface	Dual Port Redundant 10GB DA/SFP+ and Dual Port Redundant 100/1000 BaseT RJ-45 Connections, configured switch independent group (Windows) / 802.1ax LACP aggregated group (Linux)		
Network Security	Windows Server Firewall, Network Access Protection (NAP)		
Security Features	UEFI Secure Boot (Windows) Hardware root of trust Disable USB ports		
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	2 x 1100W, 100-240VAC, 50/60 Hz, Auto Switching, Dual-Redundant Hot Swap PSU		
Operating Temperature	10°C to 35°C		
System Management	iDRAC9 Express		
Supplied Accessories	Rack Mount Kit ^{AAA} Removable lockable fascia, PDU power cord and USB restore media	Rack Mount Kit and Cable Management Arm ^{AAA} Removable lockable fascia, PDU power cord and USB restore media	
Onboard Diagnostics	Fault alarm notification within Control Center for RAID degradation, fans, redundant power supplies, recording failure and redundant network faults. Additionally, embedded monitoring tools provide detailed fault diagnosis for RAID arrays, controllers, enclosures and temperature faults.		
IndigoVision Software Requirements	Windows - Control Center v13.2 or later		
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, G.711 and Opus 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		
Edge Storage Retrieval	SD card retrieval from ONVIF Profile G devices*		
NVR Footage Retrieval	Footage retrieval from IndigoVision NVRs		

* Features may vary based on capabilities of camera model. ** Please check the Control Center datasheets for more information.

^{AA} 12 Bay Chassis has 12 Hard Drive Bays accessible from front of chassis.

14 Bay Chassis has 12 Hard Drive Bays accessible from front of chassis and 2 supported Internal Hard Drive Bays accessible from the top panel of chassis.

18 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 and 2 rear accessible Hard Drive Bays.

^{AAA} 980480 Rack Mounts Kit includes 2/4 post static rails, brackets and mounting hardware.

980486/980487 Rack Mounts Kit includes sliding rack rails, brackets, mounting hardware and cable management arm.

Accessories

Accessories	Product Code
Enterprise NVR-AS 8TB SATA Hard Disk Caddy & Disk	110308
Enterprise NVR-AS 4000 G3 2U 12TB SATA Hard Disk Caddy & Disk	110312
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