



IndigoVision



Enterprise Windows NVR-AS

Your route to scalable recording

With recording for up to 200 cameras and simultaneous playback of up to 25 cameras, the IndigoVision Windows Network Video Recorder is a software NVR application that supports internal disks, internal RAID array, SCSI RAID array, iSCSI and Fibre Channel SAN and NAS. The IndigoVision Windows Network Video Recorder can also integrate other security systems for complete alarm management and has recording support for multiple camera manufacturers.

Key Features

COMPRESSION

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

DNA	Firewall	ONVIF	W	
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Product Codes

Window Network Video Recorder	Product Code
200 Channel Windows NVR-AS license dongle	311110
Multi-volume Windows NVR-AS license dongle	312700

Enhanced Management Software Licenses

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

Requires a USB license dongle for each recording server. The Windows NVR-AS software is included on the Control Center management software CD, product code: 317803.

Specification

General Specification	200 Channel ¹	Multi-volume
Maximum Channels	200 ^A	Unlimited ^A
Maximum ONVIF or Camera Gateway™ device licenses	200	Unlimited
Included ONVIF or Camera Gateway™ device licenses	1	Unlimited
Supported Operating Systems	Windows Server® 2008 R2, Windows 7® 64-bit, Windows 8® 64-bit, Windows Server 2012®	
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	
Performance (Streams)	See Performance Guide	

* Features may vary based on capabilities of camera model. ** ONVIF or supported via IndigoVision Camera Gateway™ ^ Performance may vary based on the capabilities of the NVR-AS PC.

NVR-AS PC Hardware Requirements

Your NVR PC should conform to the following minimum hardware specifications, depending on the number of streams you intend to record:

Number of 1Mbps recording streams	Network Card	Hard Disk Type	CPU Power Required	OS
16	100Base-T	SATA (Min 1 disk)	Intel Pentium 4 1.4Ghz	Windows 7® 64-bit
32	1000Base-T	SATA RAID (Min 4 disks)	Intel Pentium 4 1.4Ghz	Windows Server® 2008 R2
100	1000Base-T	SATA RAID (Min 4 disks)	Intel Xeon 5140 Dual Core	Windows Server® 2008 R2
200	1000Base-T	SATA RAID (Min 8 disks)	Intel Xeon 5140 Dual Core	Windows Server® 2008 R2

The NVR-AS PC is recommended to be server class with a quad-core processor, 4GB of system memory and 40GB of a local system disk space running Windows Server 2008 R2. Enabling digital signatures approximately doubles CPU usage. For reliable system operation, the total system CPU usage should be less than 70%. This means that digital signatures should not be enabled if the NVR-AS averages more than 35% CPU in normal operating conditions.