



IndigoVision



20 Channel Windows NVR-AS

Exceptional value. Incredible Features.

Perfectly sized for small to medium sized installations and with all the features of an enterprise solution, the 20 channel Windows NVR-AS brings an exceptional value option to the NVR-AS range. The Windows NVR-AS offers simultaneous recording and playback of up to 20 channels, plus alarms, bookmarks, and integrated data together with options for integrating with a wide range of third party systems.

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
20 Channel Windows NVR-AS license dongle	311116

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 Specifications	
Maximum Channels	20
Maximum ONVIF or Camera Gateway™ device licenses	5
Included ONVIF or Camera Gateway™ device licenses	0
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 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™

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
20	100Base-T	SATA (Min 1 disk)	Intel Pentium 4 1.4Ghz	Windows 7® 64-bit

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 7® 64-bit. 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.