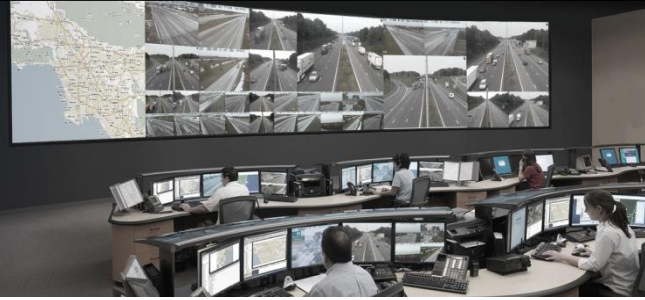


Nice AMS driver



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1 Document Versions

Version	Date	Name	Change
1.0	2014-08-22	AH	Document Created.
1.1	2018-08-16	MK	Reformat document, update manufacturer details

2 Referenced Documents

Document	Version	Description
Driver Project Requirements (DDK-PR)	1.0	The Nice AMS Server driver must conform to all the requirements detailed in this document.
Driver Connection and Online States Requirements (DDK-DC)	1.0	The Nice AMS Server driver must conform to all requirements in this document detailed in the section: Device Connection and Online States
Driver Video Requirements (DDK-VID)	1.0	The Nice AMS Server driver must conform to all requirements in this document detailed in the section: Video

3 Manufacturer

Name QOGNIFY
(ex-Nice)



Website <https://www.qognify.com>

Description NICE Systems, is the worldwide leader of intent-based solutions that capture and analyze interactions and transactions, realize intent, and extract and leverage insights to deliver impact in real time.

4 IPSecurityCenter Versions

The driver must be compatible with the following IPSecurityCenter versions:

IPSecurityCenter Version	Supported
4.X, 5.X	<input checked="" type="checkbox"/>

5 Operating Systems

5.1 Client Side Functionality

Operating Systems	Supported
Windows 7 64 bit	<input checked="" type="checkbox"/>

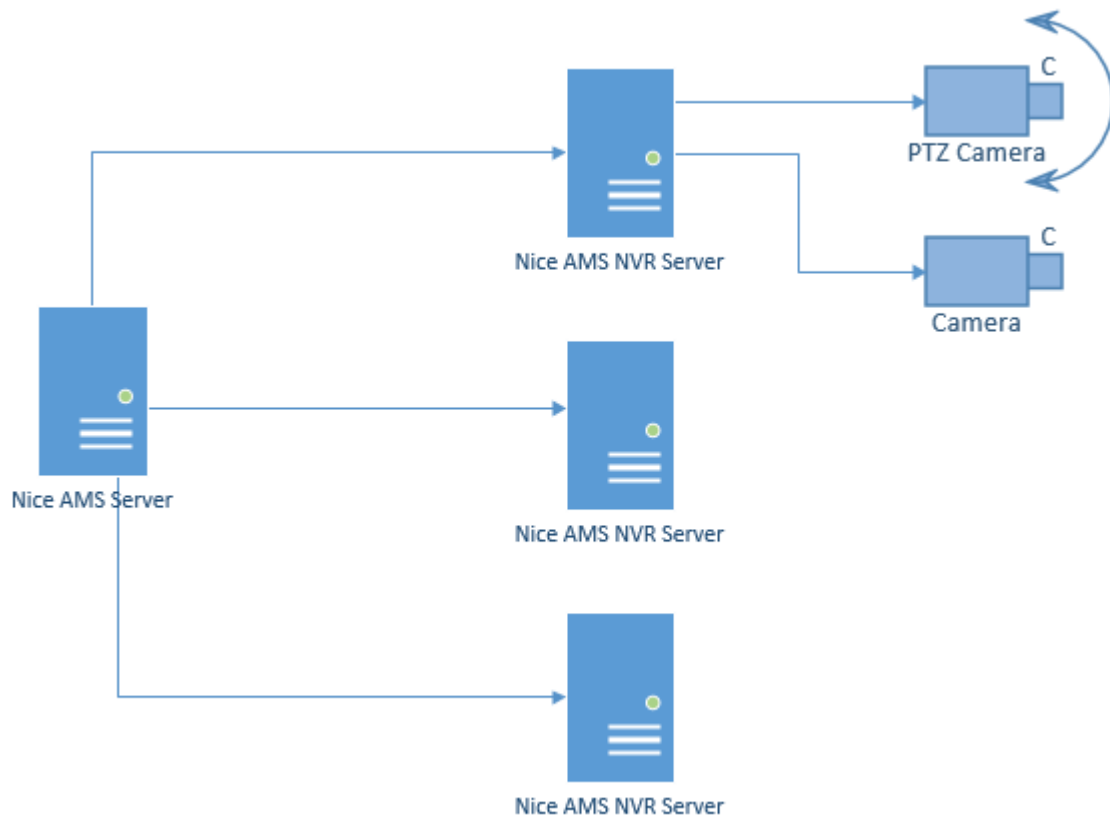
5.2 Server Side Functionality

Operating Systems	Supported
Windows Server 2008 R2	<input checked="" type="checkbox"/>
Windows Server 2012	<input checked="" type="checkbox"/>

6 Models / Firmware Versions

Model	Versions	SDK
	NiceVision 2.7	NiceVision SDK 11.7.0.1012 (Nice_AMS_2-7_SDK)

7 Hardware Configurations



8 Driver Package

The driver package is named:

CNL.IPSecurityCenter.Driver.Nice.AMS.Version. [BUILD-VERSION].ipscdriver

9 Driver Features

9.1 AMS Server

9.1.1 Device Connection and Online States

The full requirements for these features can be found in the [Device Connection and Online States Requirements](#)

Feature	
DC1.0 Device Online Status	None
DC2.0 Authentication	None

9.1.2 Video

This device does not support video.

9.1.3 Properties

General requirements for properties can be found in [Driver Project Requirements](#).

Port property is not used.

9.1.4 Methods

General requirements for methods can be found in [Driver Project Requirements](#).

9.1.5 Events

General requirements for events can be found in [Driver Project Requirements](#).

9.2 AMS Camera

9.2.1 Device Connection and Online States

The full requirements for these features can be found in the [Device Connection and Online States Requirements](#)

Feature	
DC1.0 Device Online Status	None
DC2.0 Authentication	None

9.2.2 Video

The full requirements for these features can be found in the [Driver Video Requirements](#).

Feature	
VID1.0 Camera Population	<input checked="" type="checkbox"/> Automatic
VID2.0 Live Video	
VID2.1 Display Live Video	<input checked="" type="checkbox"/>
VID2.2 Snapshot	<input checked="" type="checkbox"/>
VID2.3 PTZ	<input checked="" type="checkbox"/>
VID2.4 Set Preset	<input type="checkbox"/>
VID2.5 Get Preset	<input type="checkbox"/>
VID3.0 Recorded Video	
VID3.1 Display Recorded Video	<input checked="" type="checkbox"/>
VID3.2 Seek	<input checked="" type="checkbox"/>
VID3.3 Pause	<input checked="" type="checkbox"/>
VID3.4 Snapshot	<input checked="" type="checkbox"/>
VID3.5 Fast Forward/Rewind	<input checked="" type="checkbox"/> <i>Play Speeds:</i> -16, -8, -4, -2, -1, 0, 1, 2, 4, 8, 16
VID3.6 Slow Motion	<input checked="" type="checkbox"/> <i>Play Speeds:</i> -0.5, -0.25, -0.125, 0, 0.125, 0.25, 0.5
VID3.7 Time Bar Population	Faked Storage

VID4.0 Video Export	<input type="checkbox"/>
VID5.0 Web Client Support	<input type="checkbox"/>

9.2.3 Properties

General requirements for properties can be found in [Driver Project Requirements](#).

9.2.4 Methods

General requirements for methods can be found in [Driver Project Requirements](#).

9.2.5 Events

General requirements for events can be found in [Driver Project Requirements](#).

9.3 AMS NVR Server

9.3.1 Device Connection and Online States

The full requirements for these features can be found in the [Device Connection and Online States Requirements](#)

Feature	
DC1.0 Device Online Status	None
DC2.0 Authentication	None

9.3.2 Video

This device does not support video.

9.3.3 Properties

General requirements for properties can be found in [Driver Project Requirements](#).

Name	Type	Description	Default Value & Ranges
Version	string	Readonly. Displays the version of the Nice recorder software.	
Streaming Transport	CNL.IPSecurityCenter.Driver.Nice.AM S.StreamingVideoTransport	The transport used for streaming video from the NVR to the client. Automatic will use the default as configured on the NVR itself.	Default: Min: Max:

9.3.4 Methods

General requirements for methods can be found in [Driver Project Requirements](#).

9.3.5 Events

General requirements for events can be found in [Driver Project Requirements](#).

10 Installation

10.1 Prerequisites

Install the SDK on all machines running the following services / software:

- Client
- Video Export Server
- Connection Manager

SDK is only required to view live and playback video and video export. The server will come online and populate cameras even without having the SDK installed.

10.2 Driver Installation

- Start the IPSecurityCenter™ client and any supporting services
- Open the Device Driver Manager from the System Configuration
- Click the **Install** button
- Select the Nice AMS Server Driver Package in the Open file dialog
- Wait for the driver to be uploaded

The driver packages should be listed in the Device Driver Manager.

10.2.1 Device Configuration

- Right click in a folder (e.g. Devices) in the System Configuration: **New** → **Device On** → **Server**
- Click **Next** on the introduction
- Select **Nice** in the **Device Manufacturer** list
- Select **AMS Server** in the Available Devices list
- Click **Next** to enter the device details: Enter the Nice AMS Server hostname or IP address. Leave the Port set to 0.
- Click **Next** and **Finish** to add the device.
- Enable the device to bring it online.

When the AMS Server is brought online, it will create AMS NVR Server objects for each recorder that is configured within the manufacturer software.

11 Known Issues & Limitations

- Presets are supported by SDK, but not implemented within the current integration
- SDK requires local time zone for playing recorded video. If the client and server are in different time zones, recorded video cannot be viewed on the client
- Installing older NV player on top of the new SDK (the version specified earlier) will crash the live and playback video. Just re-install the SDK to get past this issue.
- Nice AMS Nvr Server's IP address and port is automatically populated when the Nice AMS server is enabled. If this IP address is manually changed, the cameras will not be able to play live and recorded video.
- AVI export is not available with this driver although SDK supports it. This is because the codecs that are required by SDK when doing export in AVI format are not available on Windows Server OS and the quality is poor too when compared to the native export (nvf) format.
- Removing a camera from both native software and IPSC will cause the driver to crash (cannot view video on any other existing cameras). This will be fixed in 2.3 version of driver. If someone falls in to this situation, the work around will be to manually create an IPSC camera object and link the newly created camera's interface to the deleted camera's interface using "**Manage Device Interfaces**" functionality.
- The VCM will lock up for a while if you try to drag a camera on top of another camera while the first camera is still trying to display video (hasn't finished initialization)