# Setup Guide

## Ocularis CCURE 9000 Video Driver

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<th>Document Identification</th>
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<td>Issue Date:</td>
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## Revision History

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1 Introduction

This document includes all information needed to understand, install and use the Ocularis CCURE Video Driver, which is the integration interface between Ocularis 5.7 and CCURE 2.70.

1.1 Who Should Read This Guide

The information and procedures described in this document are for use by qualified Ocularis system administrators and professional services engineers.
2 Overview

The integration of Ocularis with CCURE 9000 provides users with video capabilities in the CCURE 9000 system, including:

- Showing live and recorded video
- Controlling PTZ cameras
- Receiving video alarms in single, tour, and page views

2.1 Supported Versions

The supported versions required for this integration are listed in the following table.

Table 2-1: Supported Versions

<table>
<thead>
<tr>
<th>Integration Components</th>
<th>Versions</th>
</tr>
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<tbody>
<tr>
<td>Ocularis</td>
<td>5.7</td>
</tr>
<tr>
<td>CCURE 9000</td>
<td>2.70.539.289</td>
</tr>
</tbody>
</table>

2.2 Project Deliverables Identification

The project deliverable identification of this integration is presented in the following table.

Table 2-2: Project Deliverable Identification

<table>
<thead>
<tr>
<th>Component</th>
<th>Name</th>
<th>Version/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ocularis C-CURE 9000 Video Driver Installer.exe</td>
<td>Driver installation file</td>
<td>5.7.27.1</td>
</tr>
</tbody>
</table>

2.3 Operating System Support

Driver supports the same Operating Systems as defined in CCURE 9000 documentation.

2.4 Software Prerequisites

The Ocularis C-CURE 9000 Video Driver installation requires .NET Framework 4.6.2 to be installed.

2.5 Hardware Specification for Server and Client Machines

The following specification is recommended for a machine running the driver’s client.

The minimum hardware requirements for a CCURE 9000 server and client are sufficient for a machine running the driver on the server side.

For information about CCURE 9000 minimum hardware requirements, see CCURE documentation.
3 Installation and Configuration

The following is the flow for installing and configuring the CCURE 9000/Ocularis integration:

1. Install and configure the Ocularis system
2. Install and configure the CCURE 9000 system
3. Install and configure the Ocularis CCURE 9000 Video Driver

3.1 Video Driver Installation and Configuration

3.1.1 Installing the Video Driver

To install the Video Driver:

1. On each CCURE 9000 machine (client or server), run the Ocularis CCURE 9000 Video Driver Installer.exe file, as an administrator user.

**NOTE:** Either log in as an ‘Administrator’ user, or right-click the setup file and select Run as administrator.

The Welcome screen opens.

**Figure 3-1: Welcome Screen**

![Welcome Screen](image)

2. Click Next. The destination folder where the Driver should be installed is determined automatically by the setup program.

3. The Setup Type screen is for Driver Client and Server component installation. The Driver server and client components should be installed on the corresponding server and client CCURE machines. Choose the required setup type and click Next.
4. Then the installer prompts to update CCURE configuration files. Leave this option checked and click **Next**.

5. Review the parameters and click **Next**.
A dialog will alert you that it’s required to stop CCURE service during installation of the Driver.

6. Click **OK**. The installation process begins… wait until the installation is completed.
7. When Wizard completes, CCURE services should be started. Mark the **Start the CCURE 9000 services** check box and click **Finish**.

8. After installation computer restart might be required (if it is the first installation).
3.1.2 Uninstalling the Video Driver

To uninstall the driver:

1. [Optional] Close Server Configuration Application if it is launched.
2. In the Windows Control Panel, open Programs and Features.
3. Right-click the Ocularis CCURE 9000 Video Driver and choose Uninstall.
4. Follow the on-screen directions to complete the removal of the driver from the machine.

3.1.3 Upgrading the Video Driver

This section describes how to upgrade the Video Driver for CCURE 9000.

To upgrade the Video Driver:

1. Uninstall the existing installation as described in section 3.1.2.
2. Install newer driver version as described in section 3.1.1.
3.2 Activating the Ocularis CCURE Video Driver on the CCURE Server

After installing the Video Driver on the CCURE 9000 server, the Ocularis CCURE Video Driver Service should be activated.

- To enable the Ocularis CCURE Video Driver component:
  1. First verify that corresponding license exists in the CCURE system. Open the License Manager.
  2. In the C-CURE 9000 tab, verify that the OnSSI Ocularis CCURE item is in the list of features.

Figure 3-9: CCURE License Manager

![License Manager Image]

Once these services are up and running then the **Ocularis CCURE Video Driver Service** will run automatically.

### 3.3 Logging

To see the logs, the folder `_OnSSI_CCURE` must be created **manually** in the root of disk C on each server and client machine.

**WARNING:** The name of this folder is predefined and should not be changed.

Then the Video Driver will create corresponding files in it and will log to it:

- For server part of the driver *OnSSI.CCureVideoServer.1.log*
- For Client part of the Driver *OnSSI.CCureVideoClient.1.log*
4 Supported Functionality

Video operations supported by this integration are outlined in the table below.

Y equals yes

N equals no

Table 4-1: Supported Video Operations

<table>
<thead>
<tr>
<th>Video Systems</th>
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<tr>
<td>Connect and authenticate</td>
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<tr>
<td>Connect/disconnect status detection</td>
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<tr>
<td><strong>Events/Alarms</strong></td>
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<tr>
<td>Motion detection</td>
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<td>Content analytics</td>
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<td>Signal lost</td>
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<td><strong>Other</strong></td>
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<td>Cameras Discovery</td>
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<td>PTZ identification discovery</td>
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<td>Presets discovery</td>
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<td><strong>Video Capabilities</strong></td>
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<td>Live video</td>
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<td>Live video Export</td>
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<td>Pre-recorded Video Playback</td>
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<td>Playback Export to AVI</td>
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<td>Record Start (On Demand)</td>
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<td>Record Stop (On Demand)</td>
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5 Using the Video Driver

This chapter describes how to use the Ocularis CCURE 9000 Video Driver.

5.1 Adding/Editing a OnSSI Video Server

Authorized users can add/edit Video Servers.

- To add/edit Video Servers:
  
  1. In the Administration Station application, in the Video Tree tab, right-click a folder and select **OnSSI Video Server > New**.

Figure 5-1: Video Tree

2. In the **OnSSI Video Server** dialog box, do the following:
   
   - Specify a Name and, optionally, a Description
   - In the **General** tab, specify the IP address in the **IP Address** field, and User Name and Password
   - Mark the **Enabled** check box.
3. After specifying the Video Server details, click **Connect**.

4. Once connected, you can import cameras by clicking **Import Cameras**. This will import all cameras defined in the Ocularis system.

**Figure 5-2: Add/Edit an OnSSI Video Server**

5. When the pop-up message about Import appears, click **OK** and then **Save and Close** changes.
5.2 Viewing Video

When viewing a video camera, you can:

- View live video stream
- Take a snapshot
- Play recorded video (playback)
- Reconnect to camera
- Export a video clip
- Perform PTZ operations on a dome camera (move, zoom, preset)

5.2.1 Viewing Live Video

When viewing live video, note that the list of available presets is retrieved from the Ocularis database. This list can only be edited in the Ocularis system.

Figure 5-3: View Live Video

5.2.2 Taking a Snapshot

Capturing a snapshot lets the user save it to a file.
5.2.3 Playing Back Recorded Video

- To view recorded video (playback):
  1. Click the **Retrieve a recorded video** button in order to switch to Playback mode.

Figure 5-5 Switching to Playback mode

2. Then set a time range of the recorded track, which should exist in the Ocularis.
Once a recorded video is playing the following features are enabled:

- Play / Resume
- Stop, Pause
- Change playback rate
- Jump to a position using the track bar
- Export a video clip to AVI file (see Playback Export)
- Playback position indication through the track bar and through a field
- Total length of the playback
5.2.4 Playback Export

Playback export is available only in playback mode.

**NOTE:** The Export video function exports exactly that playback which you have chosen. So, you need to first choose **Time Range** of playback, which defines its length and only then perform export via clicking on **Export video** button.

Figure 5-7 Saving of playback export file

A video export can be saved as an AVI file. When you click **Save**, the following message will appear.

Figure 5-8: Video Export Pop-up message

**NOTE:** Export operation will progress in the background. Export duration depends on playback length.
5.3 Creating Video Views

The Ocularis CCURE 9000 Video Driver supports Video Views which are like video walls.

- To create a Video View:
  1. In the Administration Station application, right-click a Company Name node and select Video View > New.

Figure 5-9: Creating a New Video View

2. In the Video View screen, specify Name and Description, choose a template of video slots disposition. Then drag and drop cameras from the list to the preferred slots.
5.4 Creating Video Tours

The Ocularis CCURE 9000 Video Driver supports Video Tours of Video Views and PTZ presets.

NOTE: In the CCURE system, Video Tours should be made up of Video Views. Thus, Views should be already created, as described in Creating Video Views on page 17.

To create a Video Tour:

1. In the Administration Station application, right-click a Company Name node and select Video Tour > New.
2. In the Video Tour screen, specify Name and Description and click Add.
3. In the *Views Editor* screen, click the **Ellipsis** button to select a view from the list.
4. In the *Name Selection* screen, choose the relevant Video View.
NOTE: When adding a PTZ camera view to a tour and setting it to activate a preset, if the preset number is set to 0, no preset is activated.
Figure 5-15: Adding a PTZ camera view to a Tour

Repeat these procedures for adding Views to Tours.

**NOTE:** A Video View can only be added to one Video Tour. It's not possible to add it to several Tours.

### 5.5 Creating Alarms

The Ocularis CCURE 9000 Video Driver supports creating alarms.

The following alarm types are supported:

- Server communication loss
- Camera video loss

Alarms can be associated with actions through the Alarms tab in the editors. In addition, alarms are reported to the CCURE 9000 Journal.

For more information about alarms and the CCURE 9000 Journal, see the CCURE 9000 documentation.
**Figure 5-16: Associating Actions to Alarms**

![Diagram showing the setup of an alarm association with a camera preset command action.]

**NOTE:** When setting a camera preset command action to an alarm, if the preset number is set to 0, no preset is activated.
6 Troubleshooting

Troubleshooting is according the “Qognify Level 1 Support Plan”.
7 Notes and Known Limitations

- Playback mode sometimes may work unstably:
  - Requested playback time range may be incorrect from the first time
  - Pause, Stop buttons may not work the first time