Legal Notice

This product manual is intended for general information purposes only, and due care has been taken in its preparation.

Any risk arising from the use of this information rests with the recipient, and nothing herein should be construed as constituting any kind of warranty.

© 2002-2019 On-Net Surveillance Systems, Inc. All rights reserved. OnSSI and the ‘Eye’ logo are registered trademarks of On-Net Surveillance Systems, Inc. Ocularis, Ocularis Client, Ocularis Client Lite, Ocularis Video Synopsis, NetEVS, NetDVMS, NetDVR, ProSight, NetGuard, NetGuard-EVS, NetSwitcher, NetMatrix, NetCentral, NetTransact, NetPDA and NetCell are trademarks of On-Net Surveillance Systems, Inc. All other trademarks are property of their respective owners.

On-Net Surveillance Systems, Inc. reserves the right to change product specifications without prior notice.

US patent # 8390684 B2 for Ocularis Client

Patents Applied For in the U.S. and Abroad
# Table of Contents

**INTRODUCTION** ............................................................................................................................................................ 2

**GETTING STARTED** ..................................................................................................................................................... 2

- REVIEW C•CURE 9000 MANUALS ................................................................................................................................. 2
- REVIEW OCULARIS MANUALS ......................................................................................................................................... 2

**FEATURES** .................................................................................................................................................................... 3

**PERFORMANCE AND SCALABILITY** .................................................................................................................................... 3

**LIMITATIONS** ................................................................................................................................................................. 4

- Limitations with C•CURE Systems ........................................................................................................................... 4
- Limitations with Remote Desktop .................................................................................................................................. 4

**C•CURE - OCULARIS** ................................................................................................................................................... 5

- MESSAGE QUEUING (MSMQ) ........................................................................................................................................ 5
- INSTALL THE ONSSI CCURE VIDEO DRIVER SERVICE ............................................................................................... 5
  - Enable the OnSSI CCure Video Driver Service ...................................................................................................... 10
    - For C•Cure 9000 v2.60 ........................................................................................................................................ 10
    - For C•Cure 9000 v2.70 ........................................................................................................................................ 10
  - Configure the OnSSI Video Server ......................................................................................................................... 11
- Verify Ocularis Camera Video ................................................................................................................................ 15
- Create a Video View ............................................................................................................................................... 17
- Create a Video Tour ............................................................................................................................................... 19

**HOW DOES OCULARIS AND C•CURE 9000 INTERACT?** .................................................................................................... 21

- Create a Video Action ............................................................................................................................................ 21
  - Example 1: Create an event that will Display Viewer and Display Message ...................................................... 21
  - Example 2: Create an event that will Display Viewer, Move to Preset and Display Message ............................ 21
  - Configuring a Video Alarm...................................................................................................................................... 22
    - Example 3: Create a Camera Motion Alarm that will Display Viewer and Display Message .............................. 22

**OCULARIS** .................................................................................................................................................................. 23

- OCULARIS SYSTEM........................................................................................................................................................ 23
- OCULARIS ADMINISTRATOR CONFIGURATION ................................................................................................................. 23
- OCULARIS CLIENT ....................................................................................................................................................... 24

**OCULARIS VIDEO AND EVENTS IN C•CURE 9000** .................................................................................................... 25

- MOTION EVENT ........................................................................................................................................................ 25
- MOVE A CAMERA TO A PRESET EVENT .................................................................................................................. 26

**MISCELLANY** .............................................................................................................................................................. 28

**CONTACT INFORMATION** ......................................................................................................................................... 29
Introduction

This manual provides detailed instructions for installing and configuring the Ocularis to C•CURE Video Add-On to receive Ocularis into C•CURE 9000. This assumes you have working knowledge of C•CURE 9000 and Ocularis.

This document is specifically for:

- Ocularis 5.6 (5.6.0.339)
- C•CURE 9000 v2.60 (2.60.4972.0414)
  OnSSI C-CURE 9000 Video Driver Installer 5.6.26.1
- C•CURE 9000 v2.70 (2.70.539.289)
  OnSSI C-CURE 9000 Video Driver Installer 5.6.27.1

It is assumed that the Software House C•CURE 9000 and OnSSI Ocularis are installed, licensed and configured. This document provides detailed instructions for installing and configuring the component to send Ocularis video and events into C•CURE 9000.

Getting Started

Review C•CURE 9000 Manuals

Please note Hardware and Software requirements.

Check the C•CURE 9000 Security + Event Management web page for all documentation.

- Review the C•CURE 9000 documentation
  - Installation and Upgrade Guide
  - Video Guide
  - Server Configuration Application Guide
  - Software Configuration Guide
  - Monitoring Station Guide
  - Video Admin Guide

Review Ocularis Manuals

Please note Hardware and Software requirements.

Check the OnSSI Product Documentation web page for all documentation.

- Review the Ocularis documentation
  - Installation and Licensing Guide
  - Ocularis Administration User Manual
  - Ocularis Client User Manual
  - Ocularis Event Proxy Configuration Guide
Features

The Ocularis interface supports all of the standard Software House features except patterns. The following features are supported:

- Live Video
- Pre-recorded Video Play Back
- Record Start (On Demand)
- Record Stop (On Demand)
- PTZ (Domes only)
- Video Alarms
- Video Tour
- Video View Up to 16 Cameras
- Presets
- PTZ Presets Based on Event, Alarm Input or Video Tour
- Toggle Video Window Size
- Display Up to four Live Video Windows Based on Event
- Original Recorded Video Cannot Be Altered
- A single Window may be used to display Live and Recorded video

Performance and Scalability

The Ocularis system is easily scalable. There is no set software limit to maximum number of cameras. To expand the system, keep adding new recorders to Ocularis Base.
Limitations

Limitations with C•CURE Systems
The OnSSI C•CURE integration is designed, tested and supported on a standalone version C•CURE server. Other configurations such as C•CURE Enterprise (MAS/SAS) and Redundancy are not supported.

Limitations with Remote Desktop
Access to video features through remote desktop is not supported (video may not appear).

Limitations on Alarm Contacts
When configuring alarm contacts in the Oculairs recorder, there are separate alarms for a contact closing and a contact opening. In order for the alarm integration to trigger and clear alarms in C•CURE 9000, a special naming convention is used to tie the closing and opening conditions. Use the following naming convention, consisting of contact name followed by _ON or _OFF. For example:

- DoorContact_ON
- DoorContact_OFF

Limitations on Preset Names
Camera presets on Oculairs are based purely on names, while presets in C•CURE 9000 are based on numbers. When integrating C•CURE 9000 and Oculairs it is important that presets on the Oculairs system be named in the following convention: Preset # followed by optional text. For example:

- 1 – Home
- 2 – Switch Panel
- 3 - Door
- 4 – Clock
C•CURE - Ocularis

Message Queuing (MSMQ)

Ensure Microsoft Message Queuing is installed. Ocularis to C-Cure 9000 communication uses MSMQ. Use Server Manager to add the Message Queuing feature.

Install the OnSSI CCure Video Driver Service

This video driver must be installed on any system that will utilize Ocularis features. This can consist of both Server and Client components.

Install the C•Cure-Ocularis Video Driver by executing the installer package (i.e. OnSSI C-CURE 9000 Video Driver Installer).

![Welcome dialog for the OnSSI C-Cure 9000 Video Driver Setup Wizard to have Ocularis video and events delivered to C-Cure 9000. Click Next to continue or Cancel to exit.](image-url)
Setup Type dialog to select what suites your needs.
This computer will access the **Ocularis Base**.

The checkbox for **Update the C-Cure application configuration files to allow connectivity?** is checked.

**Figure 4 – Install – Connect to an OnSSI Ocularis Base Server**

**Figure 5 – Install – Ready to Install - Client and Server Component**
Review the settings. If modification is needed click **Back** and make the necessary changes. If the settings are satisfactory the click **Next** to proceed.

The C-Cure 9000 services that are running will be shutdown so the installation can occur.
The plug-in will install.

Figure 8 – Install – OnSSI C-CURE 9000 Video Driver Service Alert

The C-Cure-Ocularis setup has completed.

The checkbox for Start the C-CURE 9000 services is checked.

Click Finish to exit the Setup Wizard and start the C-CURE 9000 services.

Figure 10 – Install - Reboot

To complete the installation a restart may be necessary. It is recommended to restart the computer at this time if prompted.
Enable the **OnSSI CCure Video Driver Service**

Launch the **Server Configuration** Application.

**For CCure 9000 v2.60**

![Server Configuration Application - OnSSI Ccure Video Driver Service - Stopped](image)

For the **OnSSI CCure Video Driver Service** check **Enabled** and click **Start** to set the service **Running**.

![Server Configuration Application - OnSSI Ccure Video Driver Service - Enabled & Running](image)

**For CCure 9000 v2.70**

![Server Configuration Application - OnSSI Ccure Video Driver Service - Stopped](image)

For the **OnSSI CCure Video Driver Service** check **Enabled** and click **Start** to set the service **Running**.
Configure the OnSSI Video Server

Review Chapter 2 – Video Folders and Chapter 3 – Video Server in the C•CURE 9000 Video Guide documentation.

Once the OnSSI Ccure Video Driver Service is installed and running it is time to configure OnSSI Video Server in C•Cure 9000 so video can be used. Refer to the C•CURE 9000 Video Admin Guide documentation for additional detail.

Launch the C•Cure 9000 – Administration Workstation.

Click Video
Rename the video folder as desired. For this example the *italized* text is for sample purpose, your actual information must be used.

- **Name:** OnSSI.
- **Description:** OnSSI in Pearl River, NY

Click **Save and Close**.

Right click on the folder to expose the video options available. Select **OnSSI Video Server**.
Figure 18 – OnSSI Video Server - New

Click **New** to create a new server. The **OnSSI Video Server** – dialog opens.

![OnSSI Video Server dialog](image)

Figure 19 – OnSSI Video Server - Empty

Under the **OnSSI Video Server** dialog the **General** tab is selected by default.

Enter the necessary information to add the OnSSI Ocularis Base to the C•Cure 9000 system. For this example the *italized* text is for sample purpose, your actual information must be used.

- **Name** - *OnSSI Ocularis Base (30.61)*
- **General** – Server ID
  - Time Zone – *Eastern Time*
- **Server Info**
  - Communication Port – 80 (by default)
  - Domain – if applicable
  - User Name - *admin*
  - Password - 12345
  - Re-enter Password - 12345
  - IP Address – 10.1.30.61
  - Authentication – Basic (by default)

Check **Enabled**
Click **Connect**, after a short time the **Online** checkbox will be checked automatically. Then the **Import Cameras** button will be enabled.

Click **Import Cameras**

Imports all camera information from Ocularis Base.
Note: You should use this button to set up your cameras, rather than creating the cameras manually. Cameras are referenced by name only, so the names must match exactly.

Click **OK**.

Click **Save and Close** to exit the **OnSSI Video Server** setup.

The **Video Tree** tab in the **Administration Station** will show the OnSSI Video devices that were added. Expand the tree as needed.

Verify Ocularis Camera Video

From the **Video Tree** tab in the **Administration Station** expand the tree to expose the cameras.

Right-click on the desired camera to expose the menu.
To Use View in the Video Tree

Select View to display the camera in the pane.

To Use Popup in the Video Tree

Select Popup view to display the camera as a popup.
Create a Video View

Review Chapter 6 – Video View in the C•CURE 9000 Video Guide documentation.

In the Administration Station expose the Video Tree tab under Video. Right click on the folder to expose the video options available.
Select **Video View** then **New**.

**Video View** dialog opens.
Enter a Name and Description. Select a View type, in this case a 1 x 1. Drag the desired cameras into the View.

![Figure 28 – Video View - Populate]

Click **Save and Close** to close the Video View setup.

![Figure 29 – Video View – Added to the Tree]

The Video Tree tab now shows the Views with the newly created View.

Create any supported View as needed.

**Create a Video Tour**

Review Chapter 7 – Video Tour in the **C•CURE 9000 Video Guide** documentation.
A video tour is a list of views in sequence for a user defined dwell time in a Live Video Window. Dwell Time is a user specified time from 1 second to 5 minutes for viewing the views. You can pause the tour and restart the tour in either direction.

This features enables you to view live video from a collection of views that are configured to display different cameras and camera groups in a timed sequence.
How does Ocularis and C•Cure 9000 Interact?

Review the C•CURE 9000 Video Guide documentation.

The purpose of adding Ocularis to the C•Cure 9000 is to use the alarms and video from Ocularis in the C•Cure 9000 system. It is necessary to create C•Cure 9000 Events called Video Action and Ocularis Video Camera Alarms. These are combined to create feedback in C•Cure 9000. The following section describe creating Events and linking those to Alarms.

Create a Video Action

Review Chapter 5 – Video Action in the C•CURE 9000 Video Guide documentation.

Each event can be manually tested by using the events Activate... and Deactivate... selections when right clicking on the event. Notice the messages that are part of the Action.

Example 1: Create an event that will Display Viewer and Display Message

In the Navigation Pane of the Administration Workstation, click Configuration.
Select Event from the Configuration pane drop-down list.

Click New to create a new Event. The Event Editor opens.

- General tab is selected by default.
  - Type a name for the Event in the Name field.
  - Enter a Description is desired.
  - Check Enabled.
  - In Default state check Armed.

- Acknowledgement tab.
  - Check Send state changes to Monitoring Station.

- Action tab – Display Viewer
  - Click the Add button.
  - From the Action drop-down list pick Display Viewer.
  - For Type pick OnSSI Video Camera.
  - For Object select the desired Ocularis camera.

- Action tab – Display Message
  - Click the Add button.
  - From the Action drop-down list pick Display Message.
  - Enter the desired message to be displayed.

Click Save and Close. The Event dialog closes.

Example 2: Create an event that will Display Viewer, Move to Preset and Display Message

In the Navigation Pane of the Administration Workstation, click Configuration.
Select Event from the Configuration pane drop-down list.

Click New to create a new Event. The Event Editor opens.

- General tab is selected by default.
  - Type a name for the Event in the Name field.
  - Enter a Description is desired.
  - Check Enabled.
  - In Default state check Armed.
- **Acknowledgement** tab.
  - Check **Send state changes to Monitoring Station**.

- **Action** tab – **Display Viewer**
  - Click the **Add** button.
  - From the **Action** drop-down list pick **Display Viewer**.
  - For **Type** pick **OnSSI Video Camera**.
  - For **Object** select the desired Ocularis PTZ camera with presets defined.

- **Action** tab – **Video Camera Action**
  - Click the **Add** button.
  - From the **Action** drop-down list pick **Video Camera Action**.
  - Select the **Camera** tab
    - Pick the desired Server
    - Pick the desired PTZ camera with presets defined
  - Select the **Action Type** tab
    - Pick the desired **Action Type** of Camera Preset Command
    - Pick the desired **Preset**. Note that this is a number of the Preset and not the name.

- **Action** tab – **Display Message**
  - Click the **Add** button.
  - From the **Action** drop-down list pick **Display Message**.
  - Enter the desired **message** to be displayed for moving this PTZ camera to the desired Preset.

Click **Save and Close**. The Event dialog closes.

### Configuring a Video Alarm

Review **Chapter 4 – Video Camera** in the **C•CURE 9000 Video Guide** documentation.

**Example 3: Create a Camera Motion Alarm that will Display Viewer and Display Message**

In the **Navigation** Pane of the **Administration Workstation**, click **Video**.

From the **Video Tree** tab expand the tree to expose the Ocularis cameras. right-click on the desired camera.

Select **Edit**. The **OnSSI Video Camera dialog** opens.

- **General** tab is selected by default.
  - Live video is displayed

- **Alarms** tab.
  - Click **Add**.
  - Expand the **Property** to select the **Video Camera Alarm**.
  - Expand the **Action** dropdown and select **Activate Event**.
  - Select the **Event** recently added in section **Create Video Action** for Example 1.
  - Expand the **Value** dropdown and select **Motion**.

Click **Save and Close**.

To review ... When a **Motion** event is detected by Ocularis on this camera the action will cause the **Event** to be activated. The **Monitoring Station** will display the **OnSSI Video Camera** pop up showing the desired camera.
Ocularis

Ocularis System

Review the *Ocularis Administration User Manual* documentation.

**Ocularis** consists of a Recorder, Recorder Proxy, Base and Administrator.

The events are detected from the cameras by the Recorder. The Motion detection and other events are configured on the Recorder. These events are passed to the Recorder Proxy. The Events arrive at Ocularis Base from the Recorder Proxy.

These events must be mapped so they will be passed to the **C•Cure-Ocularis Video Driver** using the **Microsoft Message Queue (MSMQ)**.

Ensure that the desired camera – 157 – Axis M1013 (12.117) – Engineering Area - has the **Server Side Motion Detection (Full Frame)** mapped so the **Motion** event is passed to the C•Cure 9000.

Ocularis Administrator Configuration

Under the **Servers / Events** tab map the camera to the event.

---

**Figure 30 – Ocularis Administrator**
Under the Distribution Groups tab ensure that under the Events tree the event is enabled under the Enabled Events in this Distribution Group section. In this example the 157 – Axis Q1614 (12.101) – Veterans Highway camera has the Server Side Motion Detection (Full Frame) enabled.

Ensure that the User is enabled under the Users in Distribution Group.

**Ocularis Client**

Configure a view with a Blank Screen to see the event in Ocularis. No other action is needed in the Client.
Ocularis Video and Events in C•CURE 9000

Launch the C•CURE 9000 - Monitoring Station. With all the previous steps followed the Motion event will appear.

Motion Event

Upon receiving a Motion event from Ocularis the camera will be displayed. Display Viewer and Display Message will be displayed. The Monitoring Station will log the activity.

Figure 33 – Motion event received

Video viewer tasks are available in the Video Video Popup View.

- Take a Snapshot
- Retrieve Recorded Video
- Record Video
- Reconnect Camera
Move a Camera to a Preset Event

Upon receiving the event to Activate the Move to Preset action the camera will move to the desired Preset and be displayed.

Figure 34 – Move to Preset – Initial Preset Location 4-Stand Up

Figure 35 – Move to Preset – After Alarm Preset Location Moved to 3-Corner Office
Figure 36 – Ocularis Camera Presets

Please note the preset number naming scheme as mentioned under Limitations.
Miscellany

In the rare occurrence that a problem is encountered logging can be configured by creating a directory off the C: drive root named _OnSSI_CCURE. There are two (2) log files that will be helpful. These are:

- OnSSI.CCureVideoServer
- OnSSI.CCureVideoClient
Contact Information

On-Net Surveillance Systems (OnSSI)

One Blue Plaza
7th Floor
P.O. Box 1555
Pearl River, NY 10965

Website: www.onssi.com
General: info@onssi.com 845.732.7900
Fax: 845.732.7999
Sales Support: sales@onssi.com 845.732.7900 x 1
PreSales Support se@onssi.com 845.732.7900 x 2
Technical Support: support@onssi.com 845.732.7900 x 3
Training: training@onssi.com 845.732.7900 x 4
Marketing: marketing@onssi.com 845.732.7900 x 5