

Configuring OnSSI NetDVMS

OnSSI NetDVMS versions 5.x through 6.5g

OnSSI NetDVMS Ocularis

Configuring Third-Party Programs

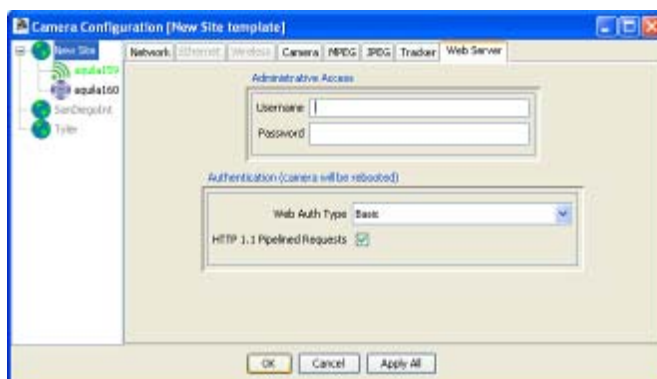
SightLogix devices are used with two types of third-party programs: VMS programs, which display video, GPS coordinates, and alarm and other information from SightLogix devices, and command and control systems (C2), which are integrated systems for monitoring multiple types of sensors. Currently, SightLogix supports a range of VMS programs and control systems. Additional programs and systems will be supported in the future.

In order for a VMS program to display the video and alarms received from SightLogix devices, the program must be configured properly, both to open communication with devices and to respond appropriately to alarm information. The actual configuration steps differ, depending on the program. However, most programs require the following:

- > **Setting web authentication between the SightLogix device and the VMS.** This includes entering the username and password (the default username is *sightlogix* or *root*, and the default password is *push2edg*). It is recommended that you change both defaults.

It also includes changing to digest web authentication if this more secure web authentication is supported by the individual VMS program. (By default, SightSensors are set up for basic authentication, which is supported by all VMS programs.)

You set both the web username/password and the authentication type from the Web Server dialog (right-click a device icon in the SightMonitor camera tree → Configure → Web Server):



- > **Adding SightSensors as AXIS-211 devices** (except when indicated); adding SightTrackers as AXIS 213.

- > **Specifying the actions (or events) that occur when an alarm is received.** This can include, depending on the program: audio alerts, automatic recording during an alarm, bookmarks inserted into recorded video to signal the start or end of an alarm, etc.
- > **Testing that alarm information is relayed from a SightLogix device to the VMS program.** The Alarm Test option on the Camera (right-click device icon → Configure) simulates an alarm.

The following sections provide general guidance on how to configure the VMS programs that have been tested with SightLogix devices. However, for detailed, specific information, see the documentation that came with the particular VMS program.

OnSSI NetDVMS

This section describes how to set up the following OnSSI NetDVMS versions. Refer to the preferred section.

- OnSSI NetDVMS versions 5.x through 6.5g
- OnSSI NetDVMS Ocularis

OnSSI NetDVMS versions 5.x through 6.5g

NetDVMS® OnSSI accepts a single video channel from each device using unicast.

Note: OnSSI always assumes a username of *root*. To verify the username is set to *root* from the SightMonitor, open the Web Server tab for the device (right-click the device icon, select Configure → Web Server).

Opening a connection

Enter the OnSSI server's hostname and port number in the SightMonitor: Right-click the device's icon in the tree, select Configure → Camera.

Under Motion On Event Servers, enter the hostname and port number 1234 for the OnSSI server. This tells the SightLogix device where to send alarm information. Use the following syntax (where 1234 is the port number):

<hostname or IP address>:1234

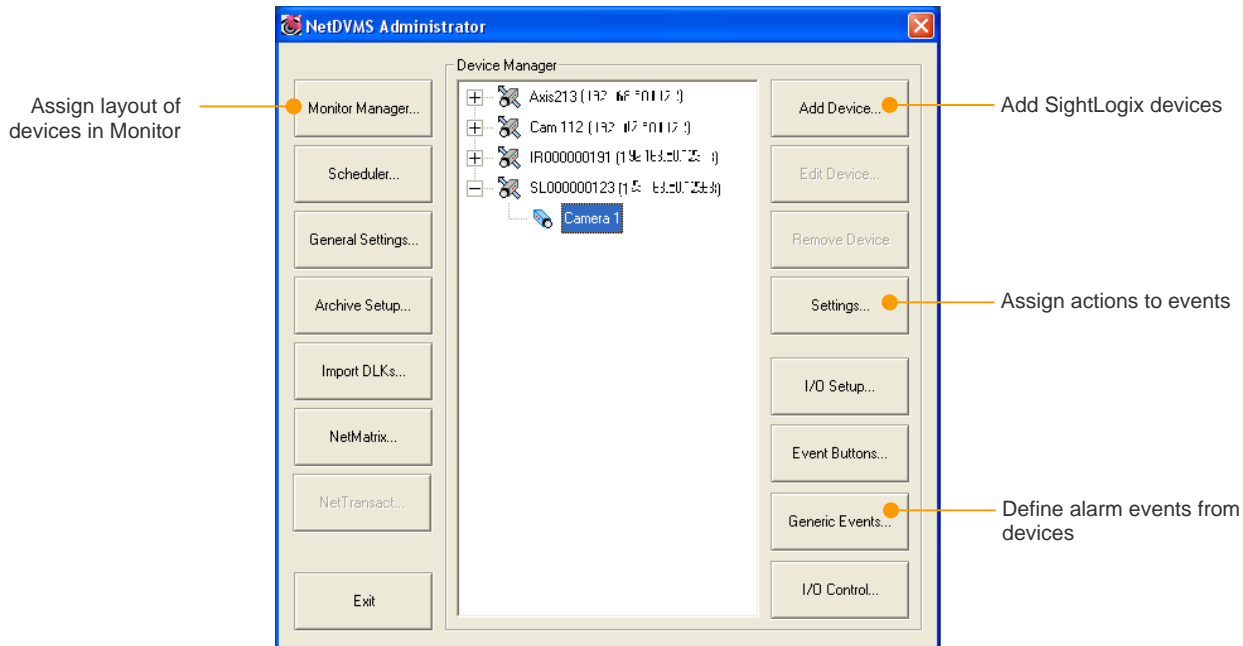
To enter multiple hostnames, separate each with a space.

To add an event when the alarm is over (for example, to end recording), enter the same information for Motion Off Event Servers. Click OK.

Adding SightLogix devices

You add devices from the Add Device option of the NetDVMS Administrator. Adding a device requires the camera's IP address, a password, and optionally a name to assign the device. Based on the IP address, the program discovers the device, Mac address, and automatically retrieves any other information it needs (including camera type).

Verify that the MAC address is the expected one.

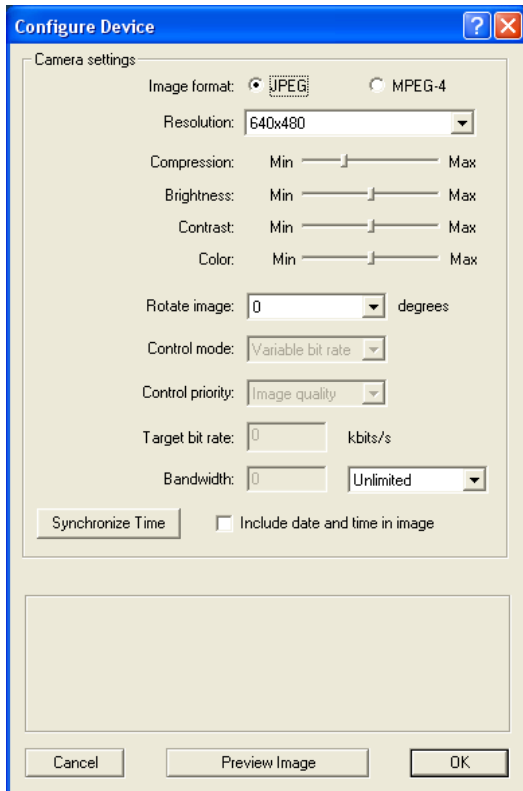


Viewing video and changing the video format

Open the Monitor Manager, select an available video tile, and select the device you just added. This will make the video available for viewing.

Exit and restart the Administrator to update the Monitor (so titles reflect the appropriate device).

By default, MPEG4 video is displayed. To display motion JPEG video, click the Settings option of the NetDVMS Administrator (see previous section) and then the Image Quality button. This opens a dialog that allows you to change between MPEG4 and motion JPEG. Click OK after changing a setting.



Creating and associating events (alarms)

You need to associate generic events to alarms so OnSSI can recognize alarms.

Open Generic Events and add a new event, using a string to name the event according to the serial number of the device. Use the following case-sensitive syntax: *<Serial number>:On*

For example, type 000000254: On for a device with this serial number. To receive notification that the alarm is over (for example, to end recording after an alarm), type *<Serial number>:Off*.

From General Settings, specify what events occur when an alarm is received. You may want an alarm to trigger an audio alert and an Event Notification, and you can specify the number of seconds of video to record before and after the alarm (for example, 4 seconds before and 4 seconds after the alarm).

In the Monitor Setup options, specify (under Image Storage) when to store images in the database. It can be Always or only when an alarm is received. To store images only during an alarm, select Conditionally and the option to store only on a motion event.

Set the Motion Sensitivity slider to its lowest value.

In the client, deselect the Maintain Image Aspect Ratio checkbox.

Testing the connection

On the SightMonitor Camera dialog, use the Alarm Test button to verify that the connection is open and that alarm information is being relayed and interpreted at OnSSI. You should see video begin to record after clicking Alarm Test.

OnSSI NetDVMS Ocularis version 3.1a

To install a SightSensor in the OnSSI Ocularis system, first follow the installation instructions for OnSSI NetDVMS in the previous section. Next, to create alarms and associate events, refer to the following sections.

Creating and associating events (alarms)

Ocularis Base can analyze TCP or UDP data packets and automatically trigger when specified criteria are met. These events are called Data Link Events and are also referred to as *generic events*. You must associate Data Link Events/Generic events to alarms to enable OnSSI to recognize alarms.

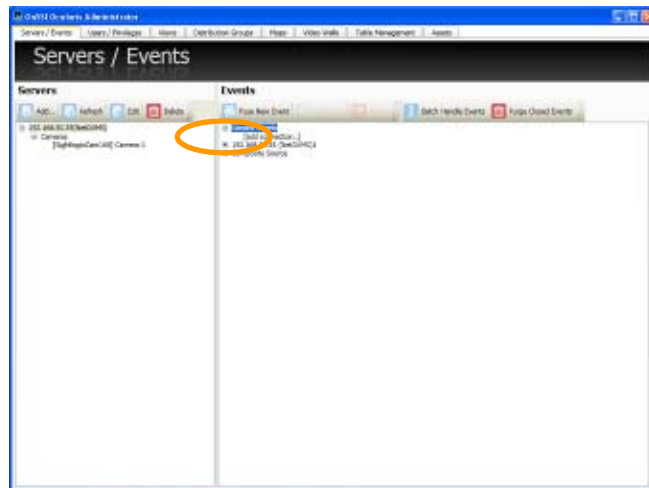
Creating a Data Link Event (alarm)

Creating a Data Link Event requires these steps:

1. Create a Connection for the Event Source.
2. Define at least one rule for the connection.
3. Test the Rule by mapping the SightSensor video to the rule to allow for blank screen monitoring.

Creating a Connection for a Data Link Event

1. In the **Servers / Events** tab, click the Generic Events node in the **Events** pane to expand it.



2. Click **[add connection..]**.
3. Fill out the resulting *New Generic Event Source* pop-up window as follows:
 - **Name:** Enter a descriptive name for the Event Source. This name appears in the alert so be as descriptive yet concise as possible.
 - **Type:** Select the protocol (**TCP** or **UDP**) based on the device you are monitoring.
 - **Port:** Enter the port number on which Ocularis Base should listen for the data sent by the event source.
4. Click **Create**.

The Connection for the event source should be listed under *Generic Events* in the **Events** pane.

Defining a Rule for a Data Link Connection

First, define an event source prior to defining a rule as described in the previous section. To Create a Connection for a Data Link Event, follow these steps.

1. In the **Servers/Events** tab, click the plus sign for the Generic Events node in the **Events** pane to expand it and then select the Data Link Connection.
2. Expand the Connection by clicking the plus sign next to it.
3. Click **[add rule..]**. In the resulting pop-up window, fill out the fields as follows:
 - **Name:** Enter a descriptive name for the rule (for example, Cam168Alarm).
 - **Priority:** Assign a priority for the rule. See the ONSSI Ocularis Administrator User Manual for detailed information about Event Priority.
 - **Audio:** (*Optional*) Select an audio file to play when the event occurs.
 - **Patterns:** Click **New Pattern** to open up a row for pattern definition. Enter the following case sensitive syntax: 000000xxx:On where xxx is the serial number of the SightSensor.
4. Click OK.

Patterns for Rules

When specifying the logic for Ocularis Base to use for analyzing data packets, select *Contains* from the drop down list box and then enter following case-sensitive syntax 000000xxx:On <Serial number>:On.

To receive notification that the alarm is over (e.g., to end recording after an alarm), type <Serial number>:Off.

For example, type 000000168:On for a device with this serial number.

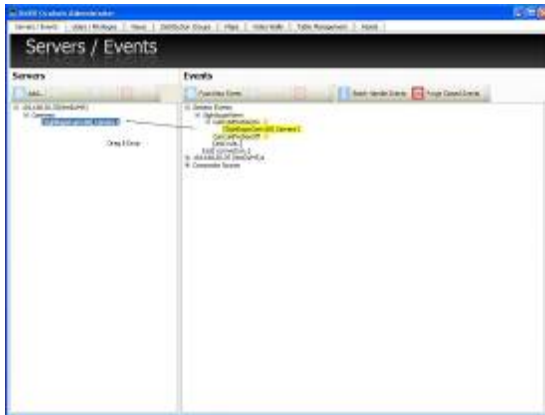


Sources for Patterns

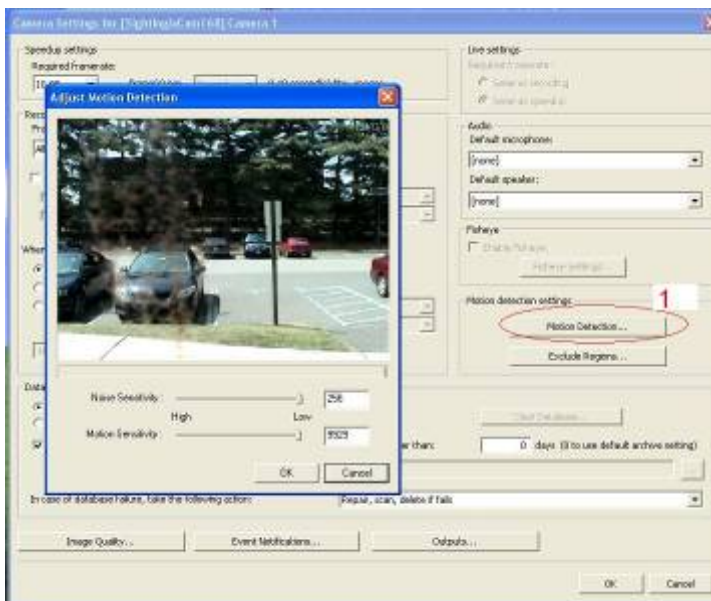
While each string to be analyzed on a specified port, you can also limit the analysis to be from a specific SightSensor IP address. For TCP-based connections, enter the IP address for the pattern for which you wish to restrict analysis in the From field. This is an optional field. If left blank, the pattern will be evaluated on any IP address.

Mapping a Rule

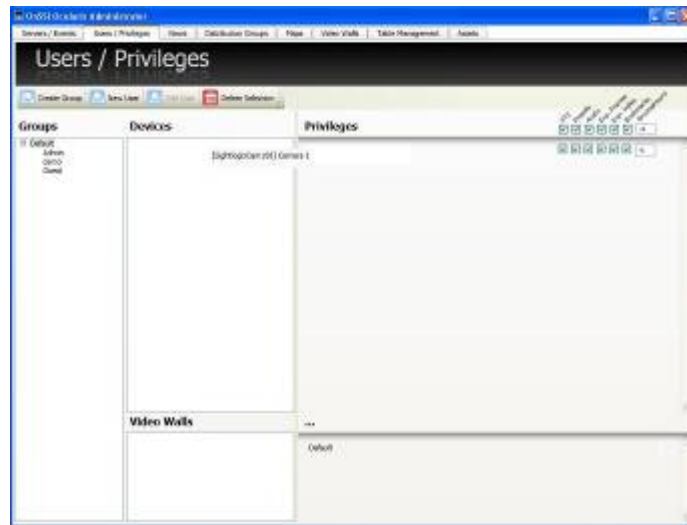
Once a rule has been created, you may associate video from a camera to this event. To do so, drag and then drop the camera from the *Servers* pane to the Generic Event on the *Events* pane.



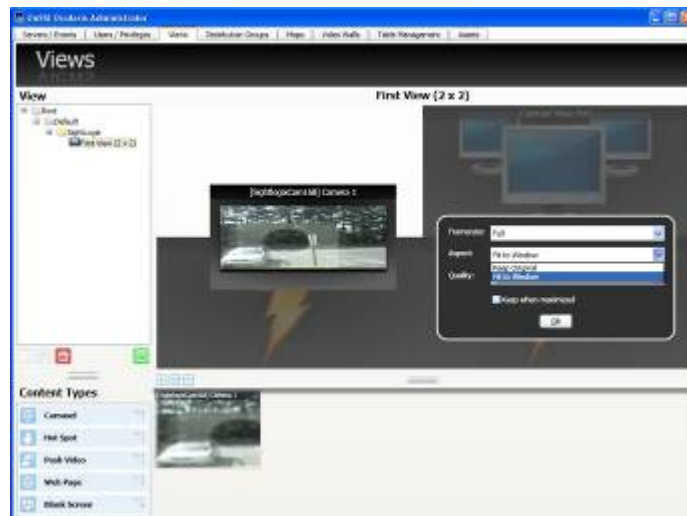
Set the Motion Sensitivity slider to its lowest value in the NetDVMS Administrator application.



Access to the Ocularis surveillance environment is controlled through the use of **Groups** and **Users**. Groups are assigned access and privileges to various components of the system as shown in the following screen capture.



When using Ocularis Base, views are configured within *Ocularis Administrator*, in the **Views** Tab. In the client, deselect the Fit to Window in the Aspect drop down list box.



Testing the connection

On the SightMonitor Camera dialog, use the Alarm Test button to verify that the connection is open and that alarm information is being relayed and interpreted at OnSSI. After you click Alarm Test, video will begin to record.

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