ONGUARD PLUGIN 2.1 USER GUIDE

This document explains how to configure and use the OnGuard plugin for Omnicast systems, and the Lenel Video Translator plugin for OnGuard systems.

OnGuard Plugin 2.1 User Guide

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Table of Contents

This document explains how to configure and use the OnGuard plugin for Omnicast systems, and the Lenel Video Translator plugin for OnGuard systems.

Section 1 Preface

Information about this document and what is new in this software release

Section 2 Plugin Manual

Instructions on how to configure and use the plugin

Section 1

Preface

Information about this document and what is new in this software release

About this guide

This manual explains the configuration and the use of the OnGuard plugin for Omnicast Systems, and the Lenel Video Translator plugin for OnGuard® access control systems. This guide should be read as an addendum to the documentation for the main Omnicast product (see Where to find more information on page vi).

Section 2 of this manual is divided into:

1. Plugin overview on page 2 – This part is for everyone.
2. Plugin preconfiguration on page 4 – This part is mainly for the administrator.
3. Plugin configuration on page 6 – This part is mainly for the administrator.
4. Metadata search on page 12 – This part is mainly for the security professional.
5. Viewing Omnicast video in OnGuard on page 16 - This part describes how to view Omnicast video in OnGuard systems using the Lenel Video Translator plugin. This part is for the administrator and the security professional on the OnGuard system.

For information about the OnGuard access control system, please refer to the third-party manufacturer's documentation.

Who should read this guide

This manual is written for both the administrator who needs to configure the plugins, and for the security professional who wishes to learn how to use these plugins.

The administrator must be familiar with:

- Microsoft Windows operating system and administrative concepts.
- Omnicast Config Tool and administrative concepts.
- OnGuard® access control software.

The security professional must be familiar with:

- Basic security and video surveillance system concepts.
- Omnicast 4 Live Viewer and Archive Player applications.

Where to find more information

The documentation set for the main Omnicast product is as follows.

Document number	Title (1 of 2)
EN.100.001	*Omnicast Release Notes* Specific to every Omnicast software release, the Release Notes provide valuable information regarding changes brought by the new release, installation and upgrade procedures, as well as all supported hardware.
EN.100.002	*Omnicast Installation & Upgrade Guide* This manual covers the Omnicast system requirements and describes the software installation and upgrade procedures.
EN.100.003	*Omnicast Live Viewer User Guide* The Live Viewer is the control and monitoring center of your entire security system. This manual teaches you how to perform your every day monitoring functions from the most basic tasks to the most advanced ones.

Document number	Title (2 of 2)
EN.100.004	*Omnicast Archive Player User Guide* The Archive Player is Omnicast's investigative tool. This manual teaches how to perform intelligent archive database queries based on date, time, camera, event type, motion, complex metadata tags, bookmarks, past alarms and specific motion, to novice and experienced users alike.
EN.100.005	*Omnicast Administrator Guide* This manual is the Omnicast administrator's main reference. It explains the important system concepts and covers from the initial system setup to the configuration of the most sophisticated aspects of the system. This manual covers the SNMP Traps plugin, and includes information about the Remote Live Viewer plugin relevant for the administrator.

Plugin manuals

Individually distributed Omnicast plugins are described in the following manuals:

Document number	Title
EN.150.100	*AutoVu LPR Plugin User Guide*
EN.150.101	*iOmniscient Plugin User Guide*
EN.150.102	*ObjectVideo Plugin User Guide*
EN.150.200	*Point of Sale Plugin User Guide*
EN.150.300	*GE Picture Perfect Plugin User Guide*
EN.150.301	*Hirsch Velocity Plugin User Guide*
EN.150.303	*MicroPoint Plugin User Guide*
EN.150.304	*RBH Plugin User Guide*
EN.150.305	*Verex Plugin User Guide*
EN.150.306	*Micros Plugin User Guide*
EN.150.307	*ACS Parking Revenue Control System Plugin User Guide*
EN.150.308	*Generic Point of Sale Plugin User Guide*
EN.150.309	*Software House C•CURE Plugin User Guide*
EN.150.400	*Barco Cottus Viewer Plugin User Guide*
EN.150.401	*Barco Hydra Plugins User Guide*
EN.150.402	*Barco TransForm A Plugins User Guide*

How to provide feedback

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You can also let us know the improvements or related information you would like to see in the guide, by filling out our documentation feedback form at: https://spreadsheets.google.com/viewform?formkey=dDB6X2NYeUFPdWJGNDVVWnlVa2xPUXc6MQ.

Contacting Genetec Technical Assistance

For more information or support, you can contact Genetec's Technical Assistance Center (GTAC) in the following ways:

- Genetec's Technical Assistance Portal (GTAP): Provides in-depth support information, including FAQs, knowledge base articles, product forums, as well as product assistance tools for our full suite of IP security solutions. You can log in to the portal at http://gtap.genetec.com.
- GTAP Forum: The Forum is an easy to use message board that allows clients and Genetec staff to communicate with each other and discuss a variety of topics, ranging from technical questions to design ideas. Go to https://gtapforum.genetec.com.
- Genetec website: Provides product news and updates. Go to http://www.genetec.com.
- Genetec Solutions Training: In a professional classroom environment or from the convenience of your own office, our qualified trainers can guide you through system design, installation, operation and troubleshooting. Technical training services are offered for all products and for customers with a varied level of technical experience and can be customized to meet your specific needs and objectives. Go to http://www.genetec.com/English/Support/Training.

No matter how you contact us, you'll need to have all relevant product information available, including System ID and product version. This information is available from the Help menu.

Release Notes

What's new in OnGuard plugin 2.1

OnGuard plugin 2.1 introduces the following new features and enhancements.

- **Forwarding alarms** - You can now select which Omnicast alarm will be triggered when an alarm is forwarded from the OnGuard system. Only events that are configured as alarms in the OnGuard system will be forwarded as alarms in Omnicast.

  For information on configuring this option, see Configuring forwarded alarms on page 11.
- **Alarm acknowledgement** - Alarms that are acknowledged in the OnGuard system can now be automatically acknowledged in Omnicast as they are discovered by the plugin.

  For information on configuring this option, see OnGuard plugin settings on page 8.
- **Metadata filtering** - It is now possible to filter out some of the user-specific metadata when receiving events from OnGuard systems.

  For information on configuring this option, see OnGuard plugin settings on page 8.
- **New events** - Two new OnGuard access control events are supported, and configured into standard Omnicast events:
  - Door forced (restored)
  - Door held open (released)

  For more information about the supported OnGuard access control events, see Access control events on page 3.

Resolved issues

There were no resolved issues in OnGuard plugin 2.1.

Known issues

Lenel Video Translator 2.1 includes the following known issues.

Issue	Description
50123	*Motion Detection* and *Communication Restored* Omnicast events received in OnGuard sometimes appear twice for the same event.

Limitations

OnGuard plugin 2.1 includes the following known limitations.

Issue	Description
50018	Events that are received from OnGuard display the wrong time in the Live Viewer event list. The time displayed is when the Live Viewer received the event, not the actual time the event occurred in OnGuard.

Lenel Video Translator plugin 2.1 includes the following known limitations.

Issue	Description
38901	In the Alarm Monitoring application, you cannot use pan/tilt/zoom PTZ controls with a mouse or keyboard arrow keys. As a workaround, use a joystick or input coordinates.
50011	When viewing live video in the *Alarm Monitoring* or *Video Viewer* applications, you cannot use pan/tilt PTZ controls by clicking in the live video window. As as workaround, select the **Move continuously** option in the **PTZ preset** dialog box, and enter the Pan, Tilt, Zoom, and Duration values for the preset. For more information about creating a preset, see Controlling PTZ cameras on page 22.
50014	Pausing live Omnicast video in OnGuard is not supported.
50017	Omnicast video files that are exported in OnGuard can only be exported in G64 format. To view the exported video, you must use the Genetec Archive Player. For more information about the Archive Player, see the *Omnicast Archive Player User Guide*.

Genetec

Section 2

Plugin Manual

Instructions on how to configure and use the plugin

Plugin overview

About the OnGuard plugin

The OnGuard plugin is an access control plugin used to interface Omnicast with the OnGuard® access control system. The OnGuard plugin 2.1 is supported on Omnicast versions 4.6 and later, with OnGuard systems version 6.4.500 Hotfix 2 (SDK 2.01).

The plugin provides:

- Links between OnGuard controlled devices and input points, and the cameras monitoring them in Omnicast.
- Associations of access control events to video sequences for search and playback.
- Side-by-side display of video playback and related access control events.
- Powerful, yet simple video archive search by:
  - Event timestamp (date-time range)
  - Omnicast event ID
  - Omnicast event name
  - OnGuard event ID
  - OnGuard event description
  - OnGuard event type
  - OnGuard event subtype
  - Panel ID
  - Device ID
  - Device name
  - Second device ID
  - Card number
  - Cardholder name
  - Entered area ID
  - Entered area name
  - Exited area ID
  - Exited area name

Events and metadata

The OnGuard plugin generates a number of events to help monitor the connection between Omnicast and the OnGuard access control system (ACS), and to associate metadata to the video archives. These events are divided into three categories:

1. Plugin events on page 2
2. Access control events on page 3
3. OnGuard server events on page 3

Plugin events

These are standard Omnicast events associated to the plugin () itself. They serve to report problems between the plugin and the ACS. You may view these events in real time in the Live Viewer or use them to trigger actions, but they are not saved in the Metadata Engine (ME) database.

These events are:

- **Access control server error** – error while attempting to connect to the ACS
- **Access control server lost** – the connection to the ACS is lost
- **Access control server recovered** – the connection to the ACS is recovered
- **Error connecting to the Lenel database** - error while attempting to connect to the ACS database to check for acknowledged alarms

Access control events

These are events concerning the cameras ( ) linked to the OnGuard controlled doors and input pins. They are saved as metadata by Omnicast and can be used to search for video archives using the Archive Player (see Metadata Search on page 12).

These metadata are events received from OnGuard. Using an event mapping file (see Event mapping file on page 9), the plugin converts these events into standard Omnicast events to ensure a uniform event handling across all third-party ACS.

These events are:

- **Access control (door alarm)** – a door alarm is raised on the ACS
- **Access control (tampering)** – an ACS device is been tampered with
- **Access control (unit connected)** – a unit is connected on the ACS
- **Access control (unit lost)** – a unit is lost on the ACS
- **Access denied** – an access is denied on the ACS
- **Access granted** – an access is granted on the ACS
- **Door opened** – a door is opened on the ACS
- **Door closed** – a door is closed on the ACS
- **Door forced** – a door is forced on the ACS
- **Door forced (restored)** - a door that was forced on the ACS is restored
- **Door held open** – a door is held open longer than the safety period on the ACS
- **Door held open (released)** - a door that was held open longer than the safety period on the ACS is released
- **Intrusion** – an intrusion is reported by the ACS

OnGuard server events

The third category of events are also received from the OnGuard ACS. They are associated to the plugin instead of a camera because they are not clearly identified to a linked Lenel device. Just like the plugin events (see Plugin events on page 2), they are not saved in the ME database. They also need to be configured in the event mapping file.

These events are:

- **Access control server alarm** – any unspecific event raised by the ACS considered very important
- **Access control server event** – any unspecific event raised by the ACS considered less important

The exact meaning of the above events will depend on how the event mapping file is set up.

Plugin preconfiguration

This section lists the things you need to know and do before you create and configure the OnGuard plugin.

Omnicast requirements

To use the OnGuard plugin in Omnicast, please note the following:

- Your Omnicast license must support the following:
  - The "**Access Control - OnGuard**" option.
  - The required number of cameras you need to link to Lenel's devices and input points.
  - The number of plugin instances you need to create.
- The OnGuard plugin must be installed on the Metadata Engine server (ME server) that is going to run the plugin.

  NOTE: The Metadata Engine Service should be configured to run with a user that has permissions to the OnGuard server. To grant user permissions on the OnGuard server, see Step 1 in "OnGuard system requirements" below.

OnGuard system requirements

In order for Omnicast users to receive event information from the OnGuard server, you'll need to modify the following settings on the OnGuard system:

1. Grant Omnicast user access to the WMI interface.
   a. Open the Computer Management window by clicking **Start button > Control Panel > Administrative Tools > Computer Management**.
   b. Click **Services and Applications**.
   c. Right click on **WMI Control**, and click Properties.

      The **WMI Control Properties** window opens.
   d. In the **Security** tab, select the **root\OnGuard** folder.
   e. Click the Security button.
   f. Select the Omnicast Metadata Engine service user (eg. *OmnicastSvcUsr*), and set all the permissions to **Allow**.
2. Connect the Omnicast Active Directory to the OnGuard server.
   a. Open the Lenel System Administration application.
   b. Navigate to the Directories Configuration window by clicking **Administration > Directories**.
   c. Click **Add**, and select **Active Directory** as the **Directory type**.
   d. Select the Omnicast Active Directory that is configured for use with the OnGuard system.
   e. Click **OK**.

   NOTE: The DataConduIT Active Directory connection may not work when specifying a qualified domain name (eg. *Genetec.com*). Instead, specify *Genetec* as the domain name. For more information, see the *OnGuard DataConduIT* documentation.

3 Associate the Omnicast Active Directory to the OnGuard system user account.

a Open the User Configurations panel by clicking **Administration > Users**.

b Select **System Account**, and on the right side of the window click the **Directory Accounts** tab.

c Click **Modify**, and click the **Link** button.

d Select the same Omnicast user that was granted WMI access in Step f.

e Click **OK**.

Plugin configuration

Introduction

The OnGuard plugin is a Metadata Engine plugin (or ME plugin). You must create and configure it from the Config Tool.

Only specific settings are described in this manual. For the generic settings, please refer to *Metadata Engine Plugins* in the *Omnicast Administrator Guide*.

The ME plugin configuration page comprises the following tabs.

Icon	Tab	Description
	**Identity**	Plugin name, description and specific information. See the *Omnicast Administrator Guide*.
	**Properties**	Plugin execution and connection to the third-party server. See Properties on page 7.
	**Database**	Storage options for this particular plugin instance. See the *Omnicast Administrator Guide*.
	**Links**	Cameras linked to the OnGuard controlled devices and input points. See Links on page 9.
	**Actions**	Actions to perform following specific plugin events. See the *Omnicast Administrator Guide*.

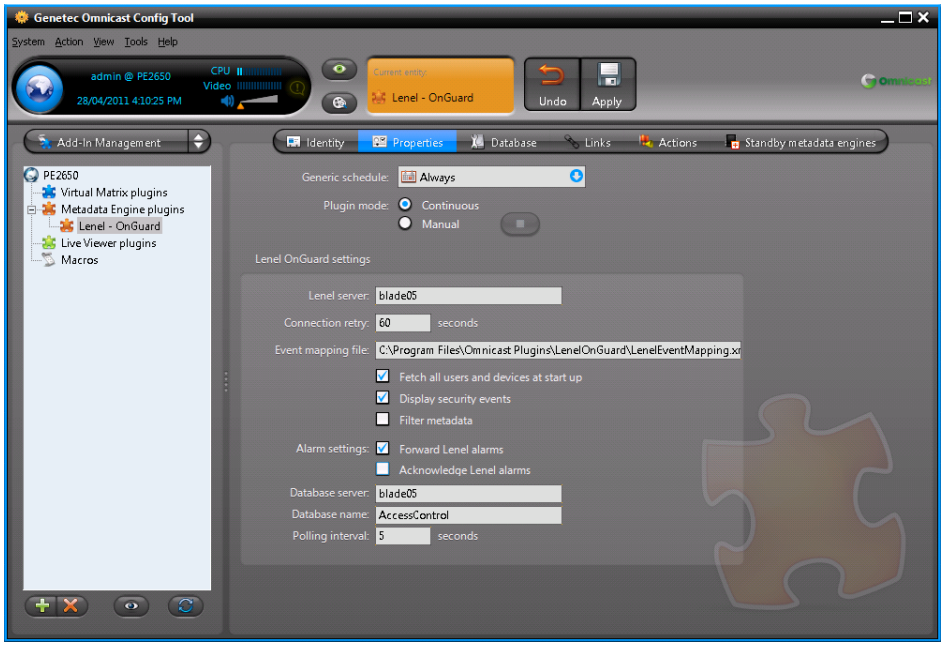
Creating a new plugin

The ME plugin creation is a generic process. Please refer to *Metadata Engine Plugins – Creating ME plugins* in the *Omnicast Administrator Guide*.

Properties

Description

The **Properties** tab lets you configure the general behavior of this ME plugin.



Generic schedule

The generic schedule is a common property to all ME plugins. It tells the Metadata Engine when the plugin is allowed to run. You can temporarily disable a plugin by setting the schedule to **None**.

Plugin mode

The plugin can be set to run in **Continuous** or **Manual** mode. The manual mode allows you to start and stop the plugin execution manually or through the **Start plugin** and **Stop plugin** actions. In continuous mode, these actions are ignored.

While the plugin is configured to run in manual mode, you can also start and stop the plugin execution from the Metadata Engine's **Plugins** tab.

OnGuard plugin settings

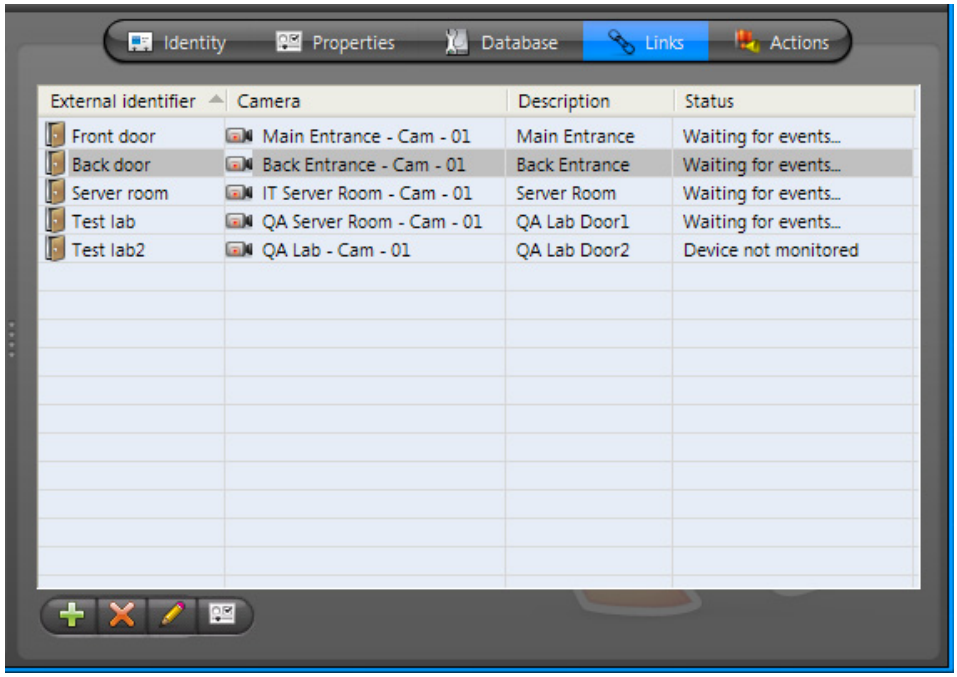
Parameter	Description (1 of 2)
Lenel server	OnGuard server that the plugin must subscribe to in order to receive the events.
Connection retry period	Time to wait after a failed connection attempt before the retry.
Event mapping file	This is an XML file used to convert OnGuard events into Omnicast events. This file must reside on the ME server. It is installed by default with the plugin and it is called **LenelEventMapping.xml**. If you wish to change the default mapping, please contact our Technical Assistance Center. If changes are made to the event mapping file, the plugin must be restarted for the changes to become effective.
Fetch all users and devices at start up	Select this option if you want the plugin to load all ID definitions at start up. Lenel server only refers to the entities (cardholders, devices, etc.) through their IDs when sending events to the plugin. When the plugin gets an unknown ID, it will ask the Lenel server for its definition. The plugin keeps the ID definitions received from OnGuard in a database in memory so it does not have to ask for the definition every single time. Loading all ID definitions at start up has the advantage of speeding up subsequent communications. **IMPORTANT** If an ID definition is modified in the OnGuard system after it has been sent to the plugin, the plugin will stay with the old definition! The only way to synchronize the two databases is to restart the plugin.
Display security events	All events other than **Access granted** and **Access denied** are called security events in the OnGuard system. Clearing this option means to ignore all events other than **Access granted** and **Access denied**.
Filter Metadata	Select this option if you want to filter out some of the user-specific metadata when receiving events from the OnGuard system. The information that can be filtered out is the following: • For Badges - ID, card number, and cardholder ID. • For Cardholders - ID, badge, first name, and last name.
Alarm settings	**Forward Lenel alarms** – Select this option if you want the plugin to trigger an alarm in Omnicast when it receives alarms from OnGuard. The OnGuard alarm description is also forwarded with the Omnicast alarm. For more information about this option, see Configuring forwarded alarms on page 11. **Acknowledge Lenel alarms** - Select this option is you want alarms that are acknowledged in the OnGuard system to be automatically acknowledged in Omnicast when discovered by the plugin.
Database server	Name of the OnGuard database server (only required when the *Acknowledge Lenel alarms* option is selected).

Parameter	Description (2 of 2)
Database name	Name of the OnGuard database (only required when the *Acknowledge Lenel alarms* option is selected).
Polling interval	Specifies how often (in seconds) the OnGuard database will be checked for updated information, such as new alarm acknowledgements (only required when the *Acknowledge Lenel alarms* option is selected).

Links

Description

The **Links** tab allows you to define links between your devices or input points and the cameras monitoring them.



Creating links

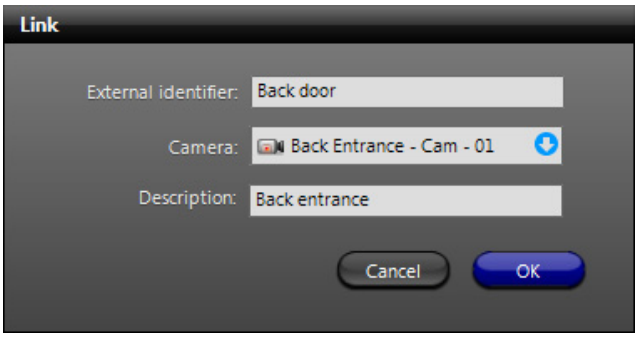
For Omnicast to receive an access control event (see Access control events on page 3) from the OnGuard ACS, two conditions must be satisfied:

1. The OnGuard event must be mapped to an Omnicast event through the event mapping file. See Event mapping file on page 8.
2. The device or input point (external ID) must be linked to an Omnicast managed camera.

To add a new link:

1. Click the Add button at the bottom of **Links** tab.

   The **Link** dialog box appears.



2. In the **External identifier** field, enter the device or input name that is used by the OnGuard system. For example, to link input 1 of a LNL-1100 board to a camera, enter "Input 1 of LNL-1100".
3. Select the camera that should be linked to the device or input point.
4. Enter a meaningful name in the **Description** field to describe the device or input point.

   The **Description** is used by the Archive Player to identify the device or input point. For more information, see Metadata search on page 12.

IMPORTANT The links must be unique, but different cameras can be linked to a same device or input point, and vice versa. However, the same **Description** must always match the same **External identifier**. Therefore, if you change the **Description** on one link, it will be changed on all links involving the same device or input point.

5. Click **OK**. The status indicated will be one of the following:
   - **Waiting for events** – if the link is configured properly.
   - **Device not monitored** – if the device is not found.
   - **Checking link status** – appears temporarily if there is a delay in obtaining the actual status information. The status will change once the actual status information becomes available.

To delete a link:

=> Use the **Delete** or **Edit** buttons to remove or modify the links.

Configuring forwarded alarms

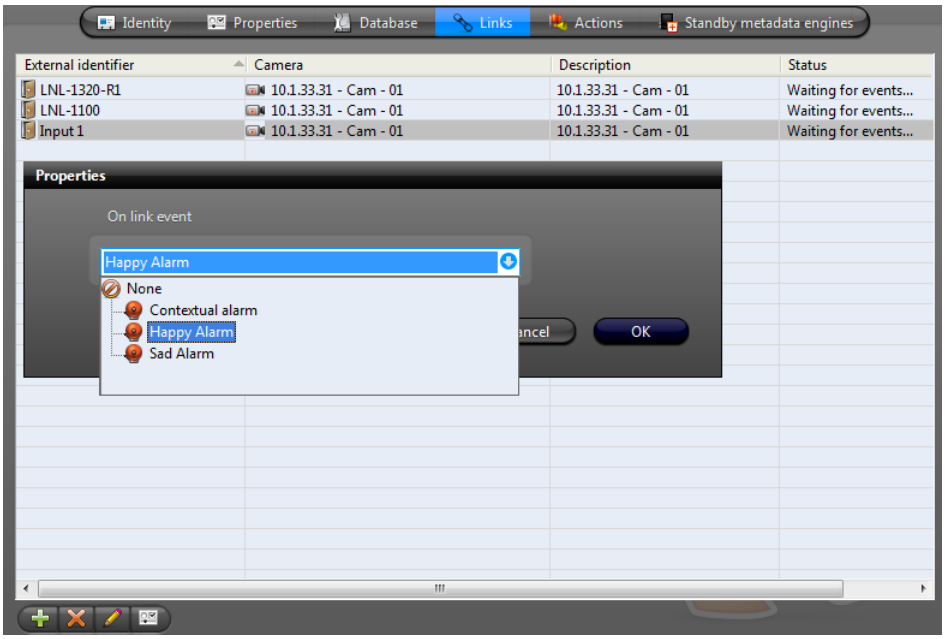
To associate an Omnicast alarm to a forwarded OnGuard alarm, the *Forward Lenel alarms* option must be selected in the plugin *Properties* tab, and the linked OnGuard alarm properties must be configured to trigger an Omnicast alarm.

NOTE Only events that are configured as alarms in the OnGuard system will be forwarded as alarms in Omnicast.

To associate an Omnicast alarm to a linked OnGuard alarm:

1. In the **Links** tab of the plugin, select a previously created link.
2. Click the Properties button at the bottom of the page.

   The **Properties** dialog box appears.
3. From the **On link event** drop-down list, select the Omnicast alarm to trigger.

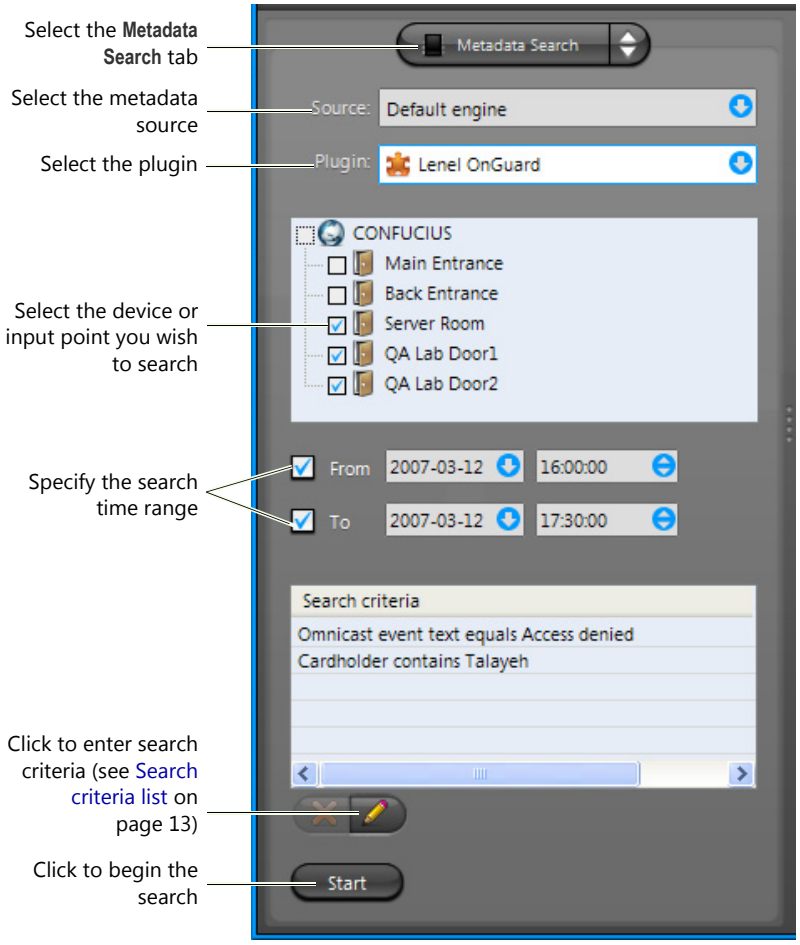


4. Click **OK**.

Metadata search

Introduction

The OnGuard plugin is a Metadata Engine plugin (or ME plugin). This means that it generates metadata (see Access control events on page 3) that can be searched using the Archive Player's **Metadata Search** tab.



Search workflow

The generic search workflow is described in the *Omnicast Archive Player User Guide*.

To search for OnGuard metadata:

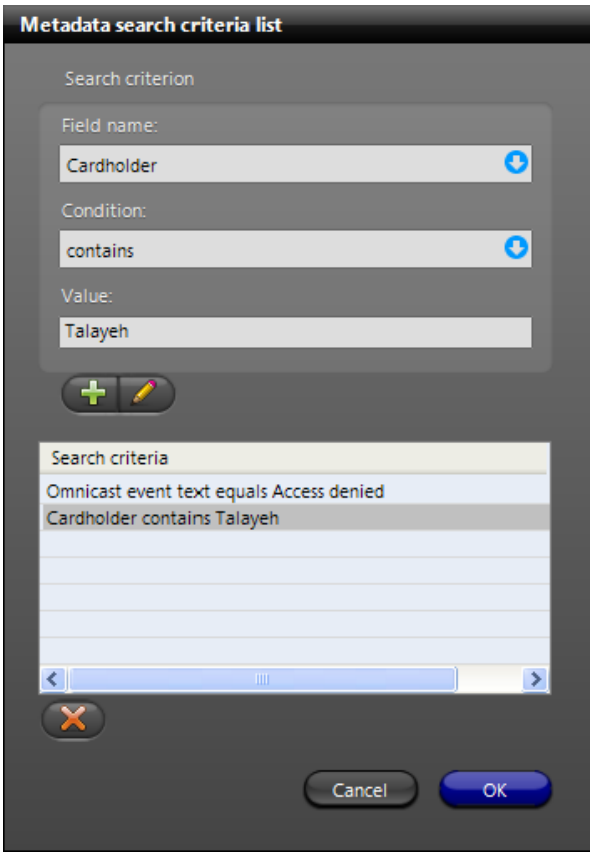
1. Select the **Metadata Search** tab from the Archive Player.
2. Select the Metadata Engine you wish to query from the **Source** list control ( ).
3. Select the **OnGuard** plugin from the **Plugin** list control ( ).
4. Select the device or input point that you wish to search for.
5. Specify the search time range (optional). It is better to specify a time range to speed up the search.
6. Click to define the search criteria. The **Search criteria list** dialog appears. See Search criteria list on page 13.

7 Click **Start** to begin the search.

While the system is searching, the following animation will be shown. The results will gradually appear in the **Query Result** pane. The search is complete when the animated GIF disappears. See Search results on page 14.

Search criteria list

Use the **Metadata search criteria list** dialog to refine your metadata search.



Each criterion is defined as a **<Field><Condition><Value>** triplet.

The available metadata fields are:

- **Omnicast event ID** (numeric)
- **Omnicast event text** (predefined values)
- **Lenel event ID** (numeric)
- **Lenel event text**
- **Type** (numeric)
- **Sub type** (numeric)
- **Panel ID** (numeric)
- **Device ID** (numeric)
- **Device name**
- **Second device ID** (numeric)
- **Card number** (numeric)
- **Cardholder**
- **Entered area ID** (numeric)

- **Entered area name**
- **Exited area ID** (numeric)
- **Exited area name**

Once a criterion is specified, click in the dialog to add it to the criteria list. All criteria are combined with the **AND** logical operator.

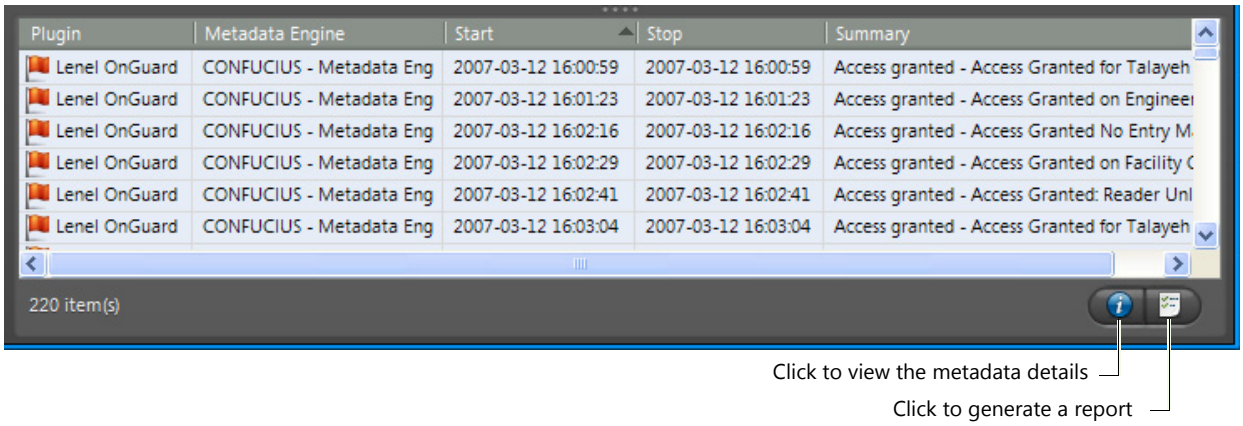
To change a criterion, select it in the criteria list, change the criterion definition in the top part of the dialog box, and click .

To delete a criterion, select it in the criteria list and click .

When a value is invalid, the field is shown in red.

Search results

The returned results are access control events (see Access control events on page 3). Each event may be linked to one or more video sequences.



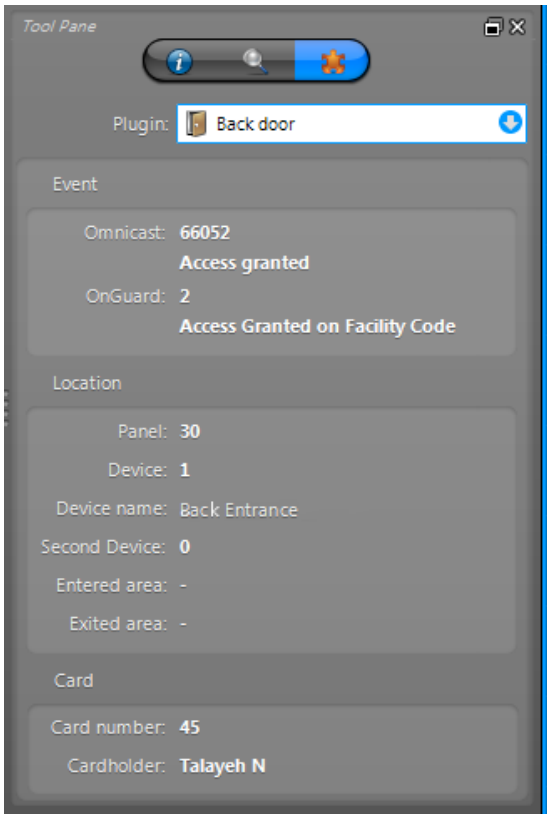
The **Summary** field contains the following information:

<Omnicast event> - <OnGuard event description> for <Cardholder name> on <Device name>

Viewing the video associated to the metadata

Double-click on any event in the result list to view the associated videos. If the device or input point is linked to many cameras, all video sequences associated to these cameras will be loaded.

More details regarding each event is displayed in the **Tool** pane.



If the **Tool** pane is hidden, type F8 and select the **Metadata** tab.

For information on the Archive Player and the playback controls, please refer to the *Omnicast Archive Player User Guide*.

Viewing Omnicast video in OnGuard

Overview

This section describes how to view Omnicast video in OnGuard systems using the Lenel Video Translator plugin.

About the Lenel Video Translator plugin

The Lenel Video Translator 2.1 plugin is designed for OnGuard® access control systems, which allows Omnicast cameras to be viewed from the *Alarm Monitoring* and *Video Viewer* OnGuard applications. The Lenel Video Translator is supported on OnGuard systems version 6.4.500 Hotfix 2 (SDK 2.01), with Omnicast versions 4.6 and later.

The Lenel Video Translator allows you to:

- View live and archived Omnicast video
- Control Omnicast PTZ cameras
- Export Omnicast video files with watermarking

Plugin prerequisites

This section lists the things you need to know and do before you can install the Lenel Video Translator plugin.

Software requirements

You should already have the following installed:

- Omnicast server
- Any required Omnicast updates
- Lenel server
- OnGuard client applications:
  - System Administration
  - Alarm Monitoring
  - Video Viewer

Omnicast requirements

For OnGuard to communicate with Omnicast and view video, the following is required on the Omnicast system:

- Your Omnicast license must support the required "**Number of SDK Connections**" for the number of OnGuard client applications that will connect to Omnicast.
- Cameras must be added and configured in your Omnicast System.

OnGuard system requirements

In order for users to receive event information from the Omnicast server, you'll need to install the following on the OnGuard system:

- Omnicast Distributable SDK

  The Omnicast Distributable SDK is provided by Genetec when you purchase the Lenel Video Translator plugin.

Plugin installation

The Video Translator plugin must be installed on the OnGuard Server, and every workstation running the *Alarm Monitoring, System Administrator,* or *Video Viewer* client applications.

Before you begin: Read Plugin prerequisites on page 16.

To install the Video Translator plugin:

1 Open the *6.4.500 Genetec Omnicast Accessory Add-On.msi* file.

This file is provided by Lenel when you purchase the Lenel Video Translator plugin.

2 Follow the installation instructions.

IMPORTANT At the beginning of the installation, you will receive a message that says Omnicast SDK v4.7 is a prerequisite to installing the plugin. Although the message says version 4.7 is required, the Lenel Video Translator plugin is compatible with SDK versions 4.6 and later.

3 In the **SQL Server Login** window, do one of the following:

- If you are using a standard OnGuard database, select the **Use Trusted Connection** option.
- If you are using a custom database, deselect the **Use Trusted Connection** option, and type the **Login ID** and **Password** of the database.

Plugin configuration

Configuring the Omnicast Directory

To establish communication between the Omnicast and OnGuard systems and view Omnicast video in OnGuard, you must configure the Omnicast Directory.

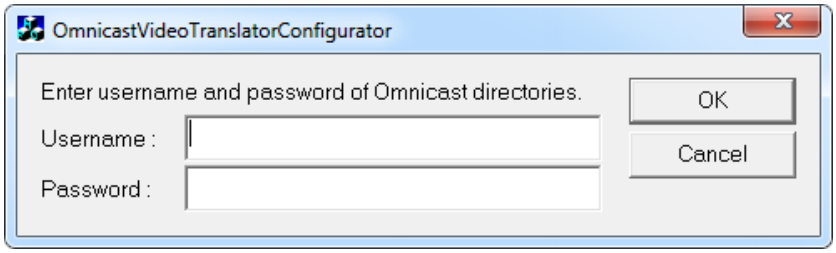
This section includes the following topics:

- Specify the Omnicast Directory credentials
- Add an Omnicast Directory

Specify the Omnicast Directory credentials

To communicate with Omnicast, the OnGuard system must be able to access the Omnicast Directory. You can specify the Directory credentials using the Video Translator Configurator tool.

1. Go to *C:\Program files\OnGuard*, and open the *GxOmnicastVideoTranslatorConfigurator.exe* tool.
2. Specify the **Username** and **Password** of the Omnicast Directory.



3. Click **OK.**
4. Restart the OnGuard Server to apply your changes.

Add an Omnicast Directory

To view Omnicast cameras in OnGuard, the Omnicast Directory also needs to be added in the OnGuard system as a video recorder.

1. Open the OnGuard *System Administration* tool.
2. In the Menu bar, click **Video > Digital Video**.
3. Click the **Video Recorder** tab.
4. Click **Add**, and enter the following information:
   - **Name**: Logical name for this recorder (The Omnicast Directory name).
   - **Online**: Select this option to enable the recorder.
   - **Video Recorder type**: Select **Omnicast 4.7.**
   - **Workstation:** Computer name of the OnGuard system.
   - Select the option **Use Computer Name of Video Recorder**, and type the computer name of the Omnicast system.
5. Click **OK**.
6. Select a zone; select either **Default**, or choose another zone.
7. Click **OK**.

The Omnicast Directory is added to the **System tree**.

Configuring Omnicast cameras

After configuring the Omnicast Directory, the Omnicast cameras must be added to the OnGuard system.

To add an Omnicast camera:

1. Open the OnGuard *System Administration* tool.
2. In the Menu bar, click **Video > Digital Video**.
3. Click the **Camera** tab.
4. Click **Add**, and enter the following information:
   - **Name**: Name of the Omnicast camera.
   - **Recorder**: Select the recorder that you created for the Omnicast Directory. See Add an Omnicast Directory on page 18.
   - **Camera ID:** Logical ID of the Omnicast camera. For more information, see "Logical IDs" in the *Omnicast Administrator Guide*.
   - Select the **Display Motion Detection Alarms** option to enable Omnicast motion detection events to be seen in the Alarm Monitoring application.
5. Click **OK.**

The Omnicast camera appears on the OnGuard camera list.

Using the Plugin

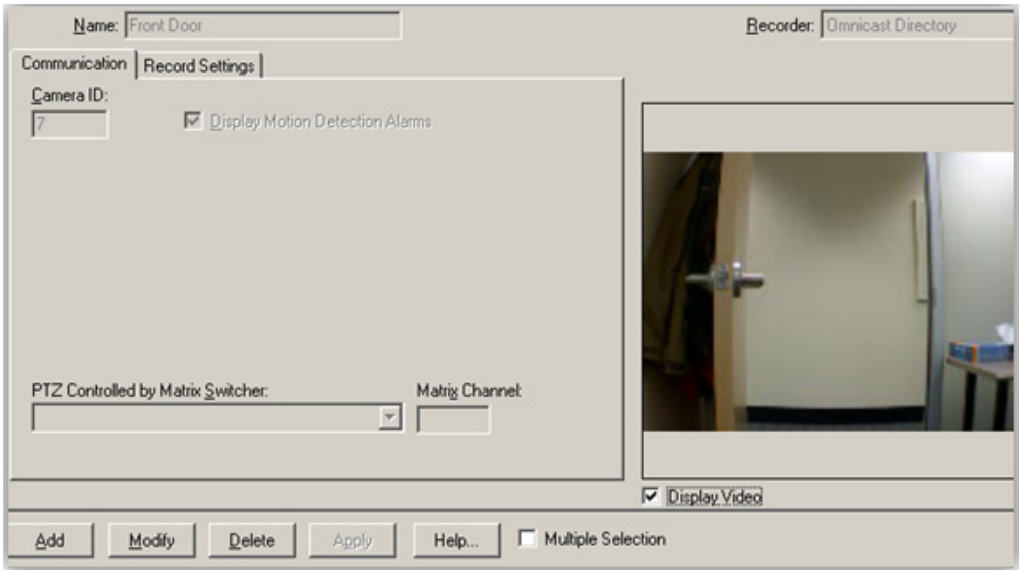
Once the Omnicast Directory and cameras have been added to the OnGuard system, you can view live and archived video in several OnGuard applications.

Viewing cameras

In OnGuard, you can view live Omnicast video previews from the *System Administration* application. You can also view live and archived video sequences from the *Video Viewer* and *Alarm Monitoring* client applications.

To view a live preview of Omnicast video:

1. Open the OnGuard *System Administration* application.
2. In the Menu bar, click **Video > Digital Video**.
3. Click the **Camera** tab.
4. In the **Name** field, enter the name of the Omnicast camera.
5. To view a live preview of the camera, select the **Display Video** option.



To view Omnicast video in the Video Viewer application:

1. Open the *Video Viewer* application.
2. Click **Camera selection > Tree**, and select an Omnicast camera to view.
3. Drag and drop the camera into a tile.
4. Right-click on the bottom tile bar, and select one of the following from the drop-down list:
   - **Live** to view live video.
   - **Recorded** to view archived video.
   - **Set start/end date** to view a specific section of the video archive.

If you are viewing a video archive, you can pause, forward, rewind, and stop the playback, or view the playback frame by frame.

To view Omnicast video in the Alarm Monitoring application:

1. Open the *Alarm Monitoring* application.
2. In the **System Status Tree**, right-click the camera you want to view, and select one of the following:
   - **Launch video** to view live video.
   - **Launch Recorded Video** to view archived video.

   The video sequence opens in a dialog box.

3. To view specific sections of the archived video sequence, select a start and end date at the bottom of the viewing pane.

You can also pause, forward, rewind, and stop the alarm playback, or view the playback frame by frame.

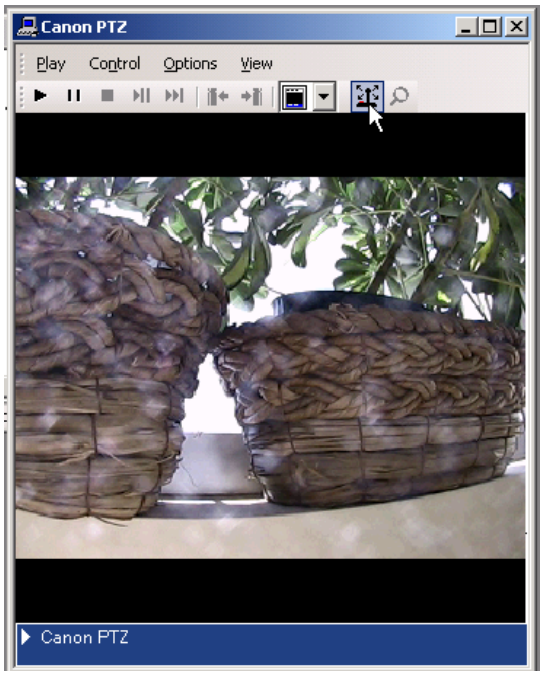
Controlling PTZ cameras

With the Lenel Video Translator plugin, you can control Omnicast PTZ cameras that have been added to the OnGuard system. For information about adding Omnicast cameras to the OnGuard system, see Configuring Omnicast cameras on page 19.

IMPORTANT In the Alarm Monitoring application, you cannot use pan/tilt/zoom PTZ controls with a mouse or keyboard arrow keys. Instead, use a joystick or input coordinates to control PTZ.

To control Omnicast PTZ cameras:

1. Open the *Alarm Monitoring* or *Video Viewer* application.
2. Right-click the camera you want to view, and click **Launch Video**.
3. Click the **Joystick** button in the toolbar.



4. From the PTZ toolbar, you can control the zoom, focus, and iris of the camera, go to a specific preset, create a PTZ preset, or lock the PTZ controls.

   NOTE The features available depend on what the Omnicast camera supports.
5. (Optional) To create a specific PTZ preset:
   a. Click the **Advanced** button in the toolbar.

      The **PTZ Preset** dialog box opens.
   b. Select the **Move continuously** option.

      NOTE If your PTZ camera does not support the **Move continuously** option, select **Move to absolute position**.
   c. Enter the **Pan, Tilt**, and **Zoom** positions for the camera.
   d. Click **Test**.

      The camera will move to the selected PTZ preset position.

Exporting with Watermark

You can export Omnicast video files the same way you export other video files in the OnGuard system. When exporting an Omnicast video file, a video watermark is exported along with the file if a watermark was originally recorded with the video in Omnicast.