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1 Introduction

Forensic Search is a powerful functionality for video security cameras that allows users to quickly and efficiently find relevant video footage based on various criteria.

With Forensic Search, users can filter video data by motion, color, direction, size, speed, and object type. Forensic Search also supports face detection and license plate recognition for enhanced accuracy and convenience.

Forensic Search is compatible with Bosch IP cameras and video management systems, and can be easily integrated with third-party solutions via plug-ins. Forensic Search is an ideal tool for forensic investigations, evidence collection, and incident management.

2 System overview

The Forensic Search plug-in allows the user to leverage the full power of Bosch Video Analytics' forensic search tools for Genetec Security Center™.

2.1 Requirements

BOSCH	Minimum required version
Forensic Search plug-in	Version 1.0
Camera with Video Analytics license	Firmware version 6.5

GENETEC	Minimum required version
Security Center	Version 5.10.4

**Notice!**

Visit the Genetec TechDoc Hub to consult the latest Genetec Security Center system requirements.

You will need to have a valid user account to access the Genetec TechDoc Hub!

3 Installation



Notice!

Before installing the Forensic Search plugin, make sure that the latest Microsoft Visual C++ Redistributable package is installed in your machine.

To install the Forensic Search plugin, follow the steps below:

Download the Forensic Search plugin from the Bosch Download Area:

<https://downloadstore.boschsecurity.com/index.php?type=IPPG>

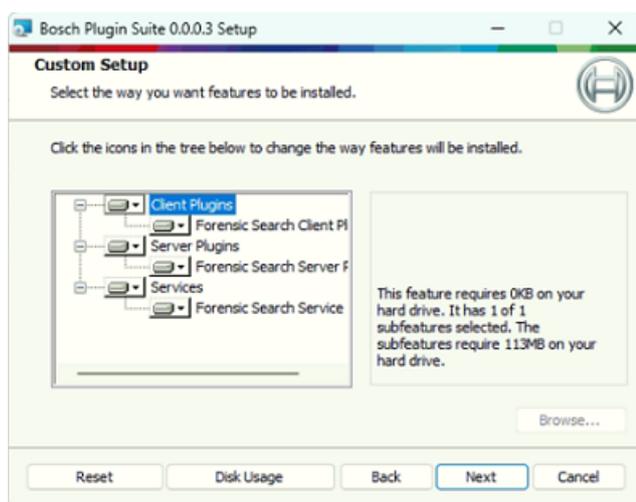
Make sure the plugin is compatible with the version of Genetec Security Center you have installed.

- ▶ Execute the Forensic Search installer (.msi file).
Follow the installation wizard's instructions.



Notice!

The Forensic Search installer includes both server and client components. Make sure you select the correct option for your use case!



After the installation is concluded:

1. Open the Config Tool and login to your account.
 2. Click **Plugins** to open the **Plugins** tab.
 3. Click the **Add an entity** button at the bottom of the window, and choose **Plugin** from the list.
This will open a wizard to create a new plugin role.
 4. **Specific info:** Select the Bosch Forensic Search plugin from the **Select plugin type** list, and press **Next**.
 5. **Basic information:** The information fields are filled in by default. Modify the **Entity name** and **Entity description** fields if required and press **Next**.
 6. **Summary:** This page consolidates the information for the plugin role that is being created. If all fields are correct, click **Create** to finalize the process or click **Back** to go back to the previous pages in the wizard.
- ⇒ The outcome of the final creation process will be displayed in the final **Entity creation outcome** page.
- ⇒ The Bosch Forensic Search plugin will now be listed in the **System** and **Plugins** tabs in the Config Tool.

4

Operation

4.1

Configuring criteria for Forensic Search

Forensic Search allows you to search for specific properties in selected video recordings.

After installing the Bosch Forensic Search plug-in, open the Genetec Security Center:

- ▶ Go to **Tasks** and double click the Forensic Search icon.
- ⇒ The Forensic Search tab opens in the taskbar.

Bosch Camera Selection

This section lists the systems and respective devices currently available.

- ▶ Select a device by clicking the corresponding checkbox. Clicking the checkbox on a system level will select all associated devices.
- ⇒ The recordings for the selected devices will be included in forensic search tasks.



Notice!

Device management is done via the Genetec Config Tool.

Date & Time Settings

This section allows the user to specify the date and time range for the forensic search.

Start/End Date

Click the **Date** field to input the required date directly with the following format: MM/DD/YYYY.

If your input is not valid, the outline of the **Date** input box turns red.

Alternatively, you can open an interactive calendar by clicking the calendar icon.

1. Navigate to the desired date and click the respective day.
The selected day will be highlighted.
2. Confirm the selected date by pressing **Select**.

Start/End Time

Click the **Time** field to input the required time directly in a 12-hour format: HH:MM:SS AM/PM.

If your input is not valid, the outline of the **Time** input box will become red.

Alternatively, you can open an interactive clock menu by clicking the clock icon.

1. Select **AM** or **PM**.
2. Use the arrows to increase or decrease the Hours, Minutes and Seconds respectively.
3. Confirm the selected time by pressing **Select**.

Click to expand the **Search in a specific time range** field.

Use the \wedge \vee arrows to increase or decrease the time range for the forensic search. This will increment/decrement the time range by one hour from the set End Time.

Note: This will override the Start Time manually set by the user.

Click **x** to collapse this field.

Configure tasks

- ▶ Click the **Configure tasks** button to open the Video Content Analysis (VCA) tasks window. A task is always created or edited using a wizard. When you use the wizard to create or edit a task, you have access to the device image and the commands, for example to create, edit or delete fields. The configured tasks for a specific device will then serve as alarm triggers for the forensic search process.

- ▶ The device associated with the currently listed VCA tasks is identified in the top left corner of this window.
If the user selected multiple devices in **Bosch Camera Selection**, click **v** to expand the dropdown list of available devices and select the one you want to configure.

**Notice!**

Refer to the latest [Bosch Video Content Analysis Software manual](#) for detailed instructions on how to configure VCA tasks.

- ▶ Click **Apply Settings** to apply all changes and close the VCA tasks window.
Alternatively, click **x** to close the VCA tasks window without applying any changes to the settings.

4.2

Forensic Search report

Forensic Search reports list all entries (clips) that match the configured forensic search criteria. You select individual clips to consult the respective details or bookmark clips for more detailed analysis in the **Monitoring** tab.

- ▶ To generate a Forensic Search click the **Generate report** button on the bottom left portion of the Forensic.
- ⇒ The following elements are displayed in the Forensic Search tab:
 - **Timeline results bar**
 - Click the individual entries to jump to that specific clip in the **Snapshot bar** and **Details** below.
 - **Snapshot bar**
 - Click an individual clip to select it and learn more details about that specific alarm event. The currently selected clip is highlighted by a purple header in the respective snapshot and by the title "Current Alert".
You can scroll through the snapshots with the **left** and **right arrow** buttons.
 - Selecting an entry will automatically play the recorded clip. These are approximately 10 seconds long.
 - **Details**
 - The details section identifies the camera that triggered the selected alarm event along with the details of that alarm event, such as time and alarm type.
This section also includes a video player interface to replay the selected clip.
- ▶ Click **Bookmark Clip** to add a bookmark to the selected clip. Bookmarks serve as a reminder for further analysis of bookmarked clips.
- ⇒ The clip will be available from the **Bookmarks** tab in Genetec Security Center.

The **Bookmark** icon  on the top right section of the screen also displays the number of clips currently bookmarked.

- ▶ Click the **Bookmark** icon to open a dropdown list with all bookmarked clips.
Click the bookmarks in this list to quickly navigate and highlight them in the **Snapshot bar**.

**Notice!**

Forensic search can list a maximum of 1000 results at a time!

A pop-up window will appear when a forensic search exceeds 200 results. The user can then decide either to continue with the current search or to refine the search criteria.

Forensic Search results filtering

You can use the **Cameras** and **Rules** dropdown lists on the top right section of the screen to filter the Forensic Search results.

Search results display entries for **All cameras** and **All rules** by default.

Use the respective dropdown lists to limit the search results to specific cameras (if multiple cameras are configured in the system) and/or specific alarm rules (configured for the camera in the **Configure tasks** wizard).

Export Forensic Search results

You can also export your current Forensic Search results.

- ▶ Click the **Export** icon  on the top right section of the screen.
- ⇒ You can now save a CSV file in a folder of your choosing.

5 Troubleshooting

Visit the Bosch Building Technologies Knowledge Base to access *FAQs*, *How to articles* and other Bosch support resources.

Click the link below to be directed to the knowledge base resources specific for the Forensic Search plug-in:

- https://community.boschsecurity.com/t5/Security-Video/tkb-p/bt_community-tkb-video/label-name/genetec?labels=genetec



Notice!

Use latest software

Make sure that you install the latest applicable release of your software version.

For consistent functionality, compatibility, performance, and security, regularly update the software.

The following links provide more information:

- General information: <https://www.boschsecurity.com/xc/en/support/product-security/>
- Security advisories, that is a list of identified vulnerabilities and proposed solutions: <https://www.boschsecurity.com/xc/en/support/product-security/security-advisories.html>

Bosch assumes no liability whatsoever for any damage caused by operating its products with outdated software components.

6 Appendices

6.1 Training

Visit the links below to access Bosch training videos for Forensic Search:

- <https://www.youtube.com/playlist?list=PLz97rFi-OzLchEsub5BAIo0B7pKR88KK>

6.2 More information



Support

Access our **support services** at www.boschsecurity.com/xc/en/support/.

Bosch Security and Safety Systems offers support in these areas:

- [Apps & Tools](#)
- [Building Information Modeling](#)
- [Warranty](#)
- [Troubleshooting](#)
- [Repair & Exchange](#)
- [Product Security](#)



Bosch Building Technologies Academy

Visit the Bosch Building Technologies Academy website and have access to **training courses**, **video tutorials** and **documents**: www.boschsecurity.com/xc/en/support/training/

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