

Release Letter

Product: **Plug-in Suite for Genetec**
Version: **3.0.0**

This letter contains the latest information about Bosch Plug-in Suite for Genetec Security Center. IQSIGHT is formerly known as Bosch Video Systems.

Newly added information is printed in **blue color**.

1. General

The Bosch Plug-in Suite comprises multiple plug-ins or extensions for the Genetec Security Center, which allow to extend the capabilities and usability of the comprised solution.

The current version of the Plug-in Suite contains the Forensic Search Plug-in and the Ease of Configuration Plug-in.

Additional information about the Bosch Plug-in Suite can be found online in the Knowledge Base here:

<https://knowledge.keenfinity-group.com/video-systems/article/what-is-the-bosch-plug-in-suite-for-genetec>

General help and information about Bosch and Genetec integration is also provided in the Knowledge Base here:

<https://knowledge.keenfinity-group.com/video-systems/article/genetec>.

The Bosch Plug-in Suite is available globally and is subject to an End User License Agreement (EULA) upon installation and use. It is designed to work exclusively with IQSIGHT cameras and analytics.

2. Features

I. Forensic Search Plug-in

The following features are available under the 'Investigations' section in Security Center:

- Retrospectively investigate incidents that you were not aware at the fact.
- Supports all Bosch IVA rules applicable to the forensic search.
- Interactive timeline representation of the search results.
- Further investigate search results through bookmarking or CSV export.
- Full CSV export of all available attributes.
- Visualize search results in a dashboard.

II. Attribute Search Plug-in

The following features are available under the 'Investigations' section in Security Center:

- Search for persons and vehicles based on attributes.
- Search for Personal Protective Equipment (PPE).
- Search for similar objects based on previous results.
- Further investigate search results through bookmarking or CSV export.
- Full CSV export of all available attributes.
- Visualize search results in a dashboard.

III. LPR Ingestion (installed with the Attribute Search Plug-in)

- LPR ingestion integration with Genetec ALPR plugin.
 - As part of the metadata processing the plugin can report license plate reads to Genetec's LPR plugin for further processing.
 - This setup needs an additional Genetec license (*Genetec Third Party ALPR Camera Connection*).
 - Additionally, the ALPR plugin from Genetec needs to be installed .

Additional setup information is available here: <https://knowledge.keenfinity-group.com/video-systems/article/how-to-setup-the-bosch-lpr-ingestion-using-the-genetec-alpr-plugin>

IV. Ease of Configuration Plug-in

- Access the camera's IVA configuration in the Genetec Config Tool.
- Fully configure the camera's analytic setup through the Genetec Config Tool.
- Direct access to dedicated camera firmware web-pages with the corresponding user privileges:
 - *Modify video units properties* and
 - *Modify camera properties*

Note: The settings provided by the web-page may be overwritten or interfere with Security Center settings. The camera settings are applied immediately. Be aware of these limitations.

V. Preview feature (which means that it can be enabled through a feature flag):

- IQSIGHT IVA Pro Context - Integration of IQSIGHT IVA Pro Context Cloud
 - Leverage Visual Language Model-based analysis to address tailored use cases (IVA Pro Context)
 - Configure IVA Pro Context directly within Config Tool
 - Dynamically display corresponding IVA Pro Context events/alarms to operators

3. Versions

Below is the version history of the Bosch Plug-in Suite:

- **3.0.0: Feature update**
 - Splits off the Attribute Search Plug-in from the Forensic Search Plug-in for easier installation and more distinct operation
 - Adds dashboarding to search results
 - Adds DB analysis functions
- **2.2.1: Maintenance update**
 - Fixes a bug that appeared when cameras with the LPR license were processed
 - Fixes an issue where scrolling in hosted firmware webpages was not possible
 - Removes the need of a Bosch Root CA in the trusted certificate store for component validation
- **2.2.0: Feature update**
 - Adds improvements to the Forensic Search plug-in (including LPR ingestion)
 - Adds direct FW web-page access to the video unit configuration
- **2.1.1: Maintenance update**
 - Fixes sorting the camera tree to resemble Genetec's sorting
 - Fixes in forensic search with bigger camera configuration data
- **2.1.0: Feature update**
 - Ease of Configuration Plug-In
 - Adds support for cameras running FW 9.40
 - Forensic Search Plug-In
 - Adds support for FW 9.40
 - Adds support for a DB based attribute search in combination with Bosch cameras and licensed IVA Pro packs
- **2.0.1: Maintenance update**
 - Fixes incompatibilities with Security Center 5.12.2
 - After an upgrade of SC to version 5.12.2 the plugins stopped working. The version 2.0.1 fixes these incompatibilities.
 - Supported Security Center versions with this Plugin Suite release:
 - 5.13.3 and above
 - 5.12.2 and above
- **2.0.0: Major feature update and bugfixes**
 - Ease of Configuration Plug-in
 - Adds initial support for the analytic configuration of Bosch intelligent cameras through the Genetec Config Tool.

- Forensic Search Plug-in
 - Fixes a bug with the configuration window that caused the configuration search to be executed multiple times.
 - Fixes a bug with the error handling on systems with a non-English localization.
- **1.2.0: Minor updates**
 - Adds support for forensic search execution across more complex Genetec system architectures (e.g., “Federation”).
 - Adds support to store and recall commonly used searches.
 - Adds improved error handling and a ‘per camera’ overview on the search execution.
 - Updates configuration options to be able to also search for weapons forensically (in case the processed camera is capable of detecting weapons).
 - Adds a feature flag to reset the maximum number of search results displayed.
 - Extends the search results’ details view by the date of the result.
- **1.1.1: Bugfixes and minor updates**
 - Fixes an issue with certain characters in the searched rules in the case of bookmarking the results.
 - Fixes an issue with displaying cameras in the ‘Area View’.
 - Fixes an issue with 32bit ‘Security Desk’.
 - Implements a Bosch-style camera tree including a camera search field.
- **1.0.2: Bugfix release**
 - Fixes an issue with certain Windows localizations.
 - Fixes an issue that led to a crash in conjunction with other plugins being installed on the same system.
 - Fixes an issue that occurred with duplicated Genetec database entries for the camera identifiers.
 - Fixes an issue where the camera tree of the Forensic Search was not loaded after a restart of Security Desk.
 - Fixes an issue where counter rules were not delivering any results.
- **1.0.0: Initial release**

4. Known Limitations

Below are listed the known limitations for the Bosch Plug-in Suite:

I. Forensic Search Plug-in and Attribute Search Plug-in

- Setups that use 'in transit' and 'at rest' archiver encryption are currently not supported
- A maximum of 10 cameras can be processed in parallel.
- Support for license plate and make and model searches is only available with the following driver packs
 - 12.7 and newer for SC 5.12
 - 13.2 and newer for SC 5.13
 - **The LPR Ingestion module** is currently (FW 9.41) **generating LPR** images in the LPR read. This is going change with future firmware releases once the license plate image and the context shot is included in the metadata stream.

II. Ease of Configuration Plug-in

- To operate the plugin properly an additional free of charge license from Genetec is needed. The necessary license to be ordered from Genetec is: **GSC-1SDK-BOSCH-PLUGINSUITE** with 5 connections.
 - General remarks
 - The plug-in is utilizing a mechanism to access the cameras through the integration SDK for configuration. **SC 5.12.2** is needed for full support; with earlier versions the plug-in may request camera credentials for the configuration from the user because this mechanism is not (fully) available.
 - The camera trainer module is currently disabled.
 - The reference image retrieval for tamper detection depends on the network quality and may not work consistently.

5. System Requirements

Minimum System Requirements	Description
Operating System	<ul style="list-style-type: none"> Windows 11, Windows Server 2019 and above .net 4.8 available
Genetec Security Center	<ul style="list-style-type: none"> SC 5.11 (on project basis only) SC 5.12.2 and above SC 5.13.3 and above 'Legacy (CPP7.3 and older)' driver or 'Other (CPP13 and newer)' driver from Device Pack 12.10 or above for forensic search support SC 5.12.1 for native camera authentication support with the 'Other (CPP13 and newer)' driver SC 5.12.2 for additional native camera authentication support with the 'Legacy' driver Security Desk - 64bit

6. Appendix

I. Port usage

The external communication is handled via Genetec channels, and the Plug-in suite is not using any additional external ports.

II. 6.2 Installation recommendations

The all-in-one installer comes with different installation features and a general distinction between server components and client components.

It is recommended to install the **server components** on the Genetec Archivers that own the cameras that should be managed with the plug-ins.

There are several reasons for this recommendation.

1. The 'ease of configuration plug-in' needs a direct communication channel to the camera the is configured and this the server plugin needs to reside as close as possible to the camera to avoid any impairments due to complex network topologies.
2. The Attribute Search plug-in service processes the incoming metadata in real time and stores the extracted data in a SQL database.
 - a. To avoid the distribution of the metadata stream in the whole network it is necessary that the server plugin resides on the archiver that is requesting the metadata stream.
 - b. For load balancing reasons it's also recommended to distribute the real-time processing of the metadata and thus keep the plug-in on the archiver that requests the metadata stream.

The **client components** need to be installed on the workstations that are supposed to host Config Tool or Security Desk.

General disclaimer

This software is not designed, intended, or authorized for use in any type of system or application in which the failure of the software could lead to a risk to health and safety. The user is responsible to verify that the software and its specified functionalities are suitable for the intended application, in particular with respect to accuracy, safety and security.