

Release Letter

Product: **SmartSuite for Milestone XProtect®**
Version: **2.0.0**

This letter contains the latest information about SmartSuite for Milestone XProtect®. IQSIGHT is formerly known as Bosch Video Systems.

Newly added information is printed in [blue color](#).

1. General

SmartSuite for Milestone XProtect is a consolidated integration package designed to enable system integrators to set up Milestone XProtect systems connected to IQSIGHT cameras with significantly reduced effort. In addition, it is designed to optimize the use of on-camera capabilities and analytics for operators within the Milestone XProtect environment.

SmartSuite consists of a single, streamlined installer and introduces a range of powerful existing and new features for both the Milestone XProtect Smart Client and Management Client.

SmartSuite is available free of charge and is fully supported by the IQSIGHT support organization. It is compatible with Milestone XProtect versions starting from 2024 R1 onwards. It is recommended to install SmartSuite on all systems where either the XProtect Smart Client and/or Management Client is in use.

SmartSuite 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

SmartSuite contains the following features for the **Milestone XProtect Management Client**:

- SmartSuite itself: Merges previously separate plug-ins into one, streamlined installer
- IQSIGHT Camera Configuration:
 - Configure your cameras directly within XProtect Management Client
 - Option to adjust and configure >100 camera parameters in a simple way
 - No camera credentials needed: XProtect takes care of authorization
 - No need to “update hardware” after adjusting camera configuration
- IQSIGHT Quick Camera Event Subscription:
 - Search for and subscribe to IQSIGHT IVA events in seconds
 - Save lots of mouse clicks during configuration of analytics
- IQSIGHT Project Assistant Import:
 - Flawlessly add your Bosch Project Assistant projects into XProtect
 - Upon import, auto-configure characteristics like:
 - Network settings
 - Date and time

- Camera name and group
- Image settings, alignment & focus
- IQSIGHT License Plate Recognition (LPR) - Integration of IQSIGHT IVA Pro LPR
 - Configure IQSIGHT on-camera license plate recognition directly within XProtect
 - Create and manage up to 16 LPR edge lists (e.g., allow lists, deny lists, VIP lists)
 - Dynamically display LPR list names and corresponding events/alarms to operators in the Smart Client (supported from XProtect Device Pack 14.2 onwards)

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 XProtect
 - Dynamically display corresponding IVA Pro Context events/alarms to operators in the Smart Client (supported from XProtect Device Pack 14.2 onwards)

SmartSuite contains the following features for the **Milestone XProtect Smart Client**:

- IQSIGHT Forensic Search:
 - Dedicated interface to search for (1) camera-detected attributes* and (2) IQSIGHT Intelligent Video Analytics (IVA) tasks such as line crossings and object-in-field
 - Search for attributes like
 - Vehicles (e.g., truck and bus)
 - People of specific interest
 - Bags and backpacks
 - PPE equipment (helmet / safety vest)
 - Brandished firearms / guns
- IQSIGHT Metadata Utilization:
 - Apply advanced inferencing, like:
 - Add bounding boxes or shapes to camera-detected objects
 - Add trajectory lines to detected attributes for better tracing
 - Add attribute icons for object classification in the cameo
 - Add (multiple) counters to your cameo
 - Enable AI or mouse click auto-tracking of attributes (PTZ cameras)
- IQSIGHT Panoramic De-warping:
 - Easily (de)warp images from IQSIGHT panoramic cameras
 - Upon installation, virtual PTZ can be used to navigate the stream
- IQSIGHT Device Control:
 - Enable or disable camera hardware features, like:
 - Wipers
 - White light indicator
 - Infrared light
- IQSIGHT Camera CPU and SD Card Status Overlay
 - Enable or disable operator cameo overlays for:
 - Individual camera processing load (CPU, IVA or combined)
 - Individual camera SD card status
- IQSIGHT Camera Autofocus
 - Enable or disable camera autofocus for fixed and moving cameras
 - Fixed cameras:
 - Full-range autofocus: automatic focus adjustment across the entire lens

- range using image contrast evaluation
- Local-range autofocus: fast focus adjustment within a limited focal range around the current focus point
- Moving cameras:
 - Autofocus mode: continuous focus correction during camera movement
 - One-push focus mode: a single autofocus adjustment triggered on demand
 - Manual mode: full operator control with autofocus disabled

General performance improvement when loading the Smart Client in enterprise environments.

Fixes:

- Fixes a bug with setting overall security properties in the Management Client

**Upon release, SmartSuite supports forensic search for the licenses: IVA Pro Buildings, Traffic, Perimeter, Appearance, PPE, Visual Gun Detection. No support yet for IVA Pro LPR(X), MMR, DGS.*

3. Versions

Below is the version history of SmartSuite for Milestone XProtect:

- **1.0.2:** Maintenance release
 - Fixes a bug where the dewarping performance was impaired on certain systems.
 - Adds Smart Client version checks to prevent the plugins from being loaded in incompatible environments.
 - Adds an error message to the Forensic Search Agent in case incompatible display scaling is used.
- **1.0.1:** Initial release

4. Known Limitations

Below are listed the known limitations for SmartSuite for Milestone XProtect:

- In certain scenarios, it may be possible that the IQSIGHT Plugins from SmartSuite and the IQSIGHT AI Alarm Verification Plug-in are incompatible and can't be installed in parallel.
- Changing IVA Pro profiles requires 'update hardware' in XProtect.
- **Camera Configuration**
 - Tunnel setup for 'Bosch Video Settings' and 'Bosch Events' tabs may take 5–15 seconds.
 - XProtect Management client needs to be in a network where direct access to the camera is possible for the tunnel setup.
- Intel processors with Quick Sync support or NVIDIA GPUs are highly recommended as the use of hardware decoding reduces the processor load in general and especially for panoramic dewarping.
- **Dewarping**
 - No support for GPUs from the brand [AMD](#).
 - No support yet for IVA Pro LPR, IVA Pro MMR, IVA Pro LPRX and IVA Pro DGS.
- **Forensic Search Agent**
 - Windows display scaling is not supported. This a scaling setting of 100% is highly recommended
 - The LPR list event task is available in the GUI but not functional.

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
Milestone XProtect	<ul style="list-style-type: none">• XProtect 2024R1 and above

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.