



Product Management
BT-VS/XSW-AIA

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Release notes

Product:	<i>Project Assistant</i>
Version:	2.3.0.28

This document contains latest information about the Project Assistant app - version 2.3.0.

Changes compared to version 2.2.2 are marked in [blue](#). This release is a [feature](#) release.

How-to articles and videos, as well as additional sources of help dedicated to the Project Assistant app can be found in our [Support Community](#).

1. General

The Project Assistant is an app for initial installation and basic configuration of IP cameras, designed for and with our customers. Its main features are:

- Quick and easy configuration of basic camera settings (e.g. device names, network settings, passwords, etc.)
- Simple set up for camera field of view
- Offline pre-configuration and sharing of project files for collaboration among colleagues, across sites
 - *Dropbox Synchronization* for simultaneous collaboration and project progress tracking across multiple locations and users
 - Alternatively, use of project file export/import feature for sequential collaboration on the same project (transfer via USB drive, email or any major cloud service, e.g. Dropbox, Google Drive, OneDrive, ...)
- Comprehensive documentation and reporting of the installation and project progress
 - Tab-separated spreadsheet reports (e.g. for use in Excel)
 - HTML reports including snapshots of the cameras' field of view in addition to the basic settings information of each camera



2. New Features and Fixes (2.3.0)

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This feature release focuses on adding a new map-based calibration method, streamlining the navigation there and improving the user interface:

- **Project settings - site location selection**
This version adds a dialog to select the geographic location of the project site. Search location via address, point-of-interest or latitude/longitude. Project location is used as working area for camera calibration, so it only has to be specified once and not for each and every camera.
- **Calibration:**
 - **Sidebar Navigation:** The workflow and navigation between individual steps is now part of the sidebar. This makes calibration progress easily visible and the workflow between steps is more natural. For small screens the sidebar can be collapsed on demand to get more screen space for content and editing.
 - **Reworked parameter UI in perspective step** to more clearly indicate if a value is calculated, read from a sensor or measured by the user.
 - **Image Controls:** Camera image controls are now more condensed, the thumbnail list is only shown on demand and gets out of the way when not needed. The different sources - live, clip, snapshots and recording - are clearly separated now.
 - **A new start page provides an overview of the active calibration settings on the camera:**
 - Live visualization of currently active calibration on camera
 - PTZ camera control - steer camera or select pre-positions
 - Calibration method selection
 - **Added map-based calibration** which enables accurate geolocation of camera and metadata. Determine calibration from corresponding points in image/map. Uses satellite imagery and is therefore only available for outdoor scenarios. Well suited for use cases like traffic monitoring or smart city applications. Verification via camera overlay, 3D avatar or measure tapes.
 - **Live diagnostics:** Visualize and inspect live camera metadata after map-based calibration. This helps checking if IVA produces the desired output after calibration. The tool visualizes:
 - Camera location and orientation
 - Objects and trajectories with georeferenced metadata
 - Detailed raw configuration data for diagnostics/support purposes

3. System Requirements

The Project Assistant app is available for Android 9.0 or higher with OpenGL ES 3.0 or higher, iOS 13 or higher, Windows 10.1607 “Anniversary Update” (64 bit) or higher. The layout of the Project Assistant app automatically adjusts to the size of the display and thus scales seamlessly from phones to tablets to desktop PCs. It supports all Bosch IP cameras with FW 6.0 and higher.



Automatic update checks for new releases on the <https://downloadstore.boschsecurity.com> are available for [Windows](#). For iOS and Android, the version management is done via the [Apple App Store](#) and the [Google Play Store](#), respectively, which will inform the user about or automatically install updates according to user settings.

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4. Restrictions, known issues & special features

General (all platforms)

- Up to 500 cameras per project
- Configuration is not possible if the camera is in an unsupported state.
- *Network*
 - Only IPv4, no IPv6.
 - Only support of default ports, i.e. 443. (also for re-commissioning)
 - The network scan and configuration of the cameras is only possible within the same network.
- *Label information and scanning*
 - QR Code and 2D Data Matrix scanning needs a camera with auto-focus.
 - Legacy labels might cause issues when scanning QR / Data Matrix code (please check out the corresponding [technical bulletin](#))
 - Wi-Fi camera Flexidome IP 8000i – Wi-Fi connection *via QR code scanning* can only be established using the installer and box label, not the product label.
- *Dropbox*
 - Dropbox *Basic* (subscription plan) is supported – no guaranteed support for Dropbox *Plus* or *Professional*, nor Dropbox *Business* (Standard, Advanced, Enterprise)
 - Read-only Dropbox folders are ignored for sharing purposes. To share a project, make sure the folder rights allow modifications (default setting).
 - When sharing projects with Dropbox on small screens (phones), the sharing button might not appear in the embedded Dropbox web page.
 - HTML-Reports exported to Dropbox are not displayed correctly (e.g. no images are shown), when they are opened directly within the Dropbox Webpage.
 - Renaming folders in the Dropbox web interface is not recommended, because the app will not be able to find the synchronized data anymore.
 - To avoid potential conflicts when using the Dropbox Synchronization feature, we recommend all users to use the same version of the Project Assistant app
- *Import*
 - Camera snapshots will not be imported when importing a project from a report *.txt* file.
 - For a details description on how to import data from a *.txt* file, please refer to our corresponding [how-to article](#) in our Knowledge Base
- *Bosch Portable Installation Tool (NPD-3001-WAP)*
 - For using a PoE injector in combination with the Bosch Project Assistant app, we recommend the [Bosch portable camera installation tool](#) (It cannot be guaranteed that any arbitrary PoE injector is working properly



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- when used in combination with the Bosch Project Assistant app)
- Wi-Fi interaction between the Bosch Portable Installation Tool and the Project Assistant differs slightly between the three platforms (Windows, iOS and Android). Please refer to the respective [how-to article](#) in our Knowledge Base for details
- Automatic detection of the tool's Wi-Fi access point within the app might not work, if the tool was previously connected to / added to the list known Wi-Fi networks in the phone's or PC's Wi-Fi settings, i.e. the first time connection was established outside of the Project Assistant.
Remove the tool's Wi-Fi network from the list of known networks of your phone/PC and re-connect from within the Project Assistant.
- Wi-Fi access point is set to factory default by pressing the reset button on the (physical) Wi-Fi module of the Bosch Portable Installation tool
- *Video*
 - For streaming performance reasons, the mobile apps (iOS & Android) display stream 2 (also for .html report snapshots). The Windows version displays stream 1, however. This needs to be considered for cases where stream 1 and stream 2 have different aspect ratios.
 - No interlaced video support
- *Wi-Fi camera Flexidome IP 8000i*
 - Only camera model that offers direct Wi-Fi connectivity
 - two application variants due to hardware restrictions
 - i. Variant 1: offering a Wi-Fi access point plus one SD card for recording purposes
 - ii. Variant 2: offering access to two SD cards for recording purposes
 - iii. Switching from variant 1 to variant 2 is not possible in the app *when connected wirelessly* to the camera, since it will disable the Wi-Fi connection between the Project Assistant app and camera before setup is in a "finished" state
 - iv. In general it is possible to change application variants for any camera, as long as an Ethernet connection to the camera is established
 - Wi-Fi connection *via QR code scanning* can only be established using the installer and box label, not the product label.
 - The re-commissioning option was introduced and optimized focusing on the re-adjustment of image settings and field of view of the Flexidome IP 8000i in a convenient (wireless) way
 - There is a translation bug in the report, where the "sealing" status is always in German saying "Siegel"
 - Wi-Fi connection to FLEXIDOME IP 8000i does not work when the camera is running FW 7.85 / 7.86
- *Calibration*
 - The calibration tool requires a minimum window size of 1024 x 700 points to ensure a seamless user experience. It will be unavailable if this requirement is not met.

Windows

- QR Code and 2D DataMatrix scanning under Windows needs webcams, which are compliant to the UVC standard.
- Auto-updater function not working in version 1.1; in order to update to version



1.2

- Manually click the “Check now” button or
 - Download the latest version 1.2 installer from the Bosch Security [DownloadStore](#)
- Improved compatibility with Windows 10 Version 2004 and higher.

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iOS

- HEVC/H.265 decoding is fully supported starting with iPhone 6S/iPad (2017) - video could stutter on older devices.
- Wi-Fi camera connection (Flexidome IP 8000i) – iOS automatically detects that the camera’s access point does not provide an internet connection so that it keeps a mobile data connection in parallel (convenient for Dropbox synchronization)
- Wi-Fi camera connection (Flexidome IP 8000i)
 - Connecting to a Flexidome IP 8000i camera from within the app will fail on iOS, if that camera had been added to the list of known networks on the iOS device before (via regular *Settings > Wi-Fi*)
 - in contrast to Windows and Android, the iOS version of the Project Assistant cannot suggest a list of all Bosch Wi-Fi cameras it detects in its vicinity. You can only connect via QR code scan.
- Project import directly from Google Drive not possible, as workaround go to the Apple 'Files' app, then copy the project file from the location 'Google Drive' to 'On My iPad/ Iphone' and then import it to the Project Assistant

Android

- Only activated location services will allow for Wi-Fi camera discovery.
- Swiftkey users might experience a delay of up to 2 seconds regarding the responsiveness of the “delete” key
- Tablet users might face issues when using external keyboards

Yours sincerely

Your Bosch Security App Team