

In-Sight® Explorer 5.7.4 Release Notes

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Revision: 5.7.4.2, 08/01/2019

Overview

This document describes the In-Sight Explorer software, including the following topics:

- [System Requirements](#)
- [New Features](#)
- [Changes & Fixes](#)
- [Known Issues](#)

Note: Visit the [In-Sight Online Support Center](#) to download the latest release notes and documentation, including localized editions. To access the updated documentation from the In-Sight Explorer user interface and Microsoft® Windows® Start menu, complete the following steps:

1. Log on to the PC with administrative privileges.
2. Copy the downloaded documentation to the appropriate location in the installation directory. The default location is: C:\Program Files (x86)\Cognex\In-Sight\In-Sight Explorer 5.x.x\Documentation.

System Requirements

This section describes system requirements for In-Sight Explorer software.

PC Hardware Minimum and Recommended Requirements

Notes:

- The following minimum hardware requirements are for PCs that are connected to a single low-resolution In-Sight vision system running at a slow production speed.
- The following recommended hardware requirements are for PCs that are simultaneously connected to up to four In-Sight vision systems.

Minimum	Recommended
Intel® Celeron® 1000M processor running at 1.8GHz (or equivalent)	Intel Core™ i7 processor running at 2.7GHz (or equivalent)
2GB of available RAM	4GB of available RAM
4GB of available disk space	8GB of available disk space
Video card that can display 1024 x 768 resolution at 24-bit color depth (the DPI Display setting must be set to 96 DPI)	Video card that can display 1920 x 1080 resolution at 32-bit color depth (the DPI Display setting must be set to 96 DPI)
Network interface card (at least 100Mbps) for connecting to an In-Sight vision system	Gigabit network interface card for connecting to multiple In-Sight vision systems

Operating System Requirements

In-Sight software has been tested on the following operating systems:

- Microsoft Windows 10 Professional (64-bit)
- Microsoft Windows 7 Professional, Service Pack 1 (64-bit)
- Microsoft Windows Server 2016

Although you can install and run In-Sight Explorer on other Windows operating systems, PCs that do not meet the preceding requirements are not officially supported.

Supported Languages

- Chinese (Simplified)
- English
- French
- German
- Japanese
- Korean
- Spanish (European)

Firmware Version Support

In-Sight 5.7.4 software contains two firmware versions:

- In-Sight 5.7.4
- In-Sight 4.10.5 PR2

In-Sight vision systems that have older firmware versions might work properly. However, some features are unsupported with older firmware versions and are not fully tested. For optimal performance, update vision systems that run older firmware to the most recent, supported firmware versions. For a list of models and supported firmware versions, see the Firmware Versions topic in the *In-Sight® Explorer Help* file.

In-Sight Firmware 5.7.4

- In-Sight 2000 series vision sensors
- In-Sight 5705 and 5705C vision systems
- In-Sight 7000 Gen2 series vision systems
- In-Sight 8000 series vision systems
- In-Sight 9000 series vision systems
- In-Sight Advantage Engine

In-Sight Firmware 4.10.5 PR2

- In-Sight Micro 1000 series vision systems
- In-Sight 5000 series vision systems (except In-Sight 5705 and 5705C vision systems)
- In-Sight 7000 series vision systems (except In-Sight 7000 Gen2 series vision systems)

Microsoft .NET Framework 3.5 SP1 and 4.5

In-Sight software requires Microsoft .NET Framework 3.5 SP1 and 4.5. If the In-Sight software installer fails to detect Microsoft .NET Framework 3.5 SP1 and/or 4.5, it attempts to download and install them.

Note: If you attempt to install In-Sight Explorer on a system with Microsoft .NET Framework 3.5 SP1 disabled while Windows updates are being installed, you may receive the following error message: Error installing Microsoft .NET Framework; Error code 0x800f081f. If this occurs, wait for the Windows updates to complete, reboot if necessary, and then install In-Sight Explorer.

New Features

New Feature	Applicable Firmware Version
Supports the new In-Sight 7902P vision system.	5.7.4
Added the MaxiCode option to the Symbology Group selection for the ReadIDMax function, enabling decoding of MaxiCodes.	5.7.4
In-Sight vision systems/sensors running In-Sight 5.7.4 firmware now support Mitsubishi iQ Sensor Solution.	5.7.4
Added the Firmware Update right-click option to the In-Sight Network pane, allowing you to quickly update the firmware of selected In-Sight vision systems/sensors.	N/A
Added a Filter search box to the following dialogs to quickly find In-Sight vision systems/sensors. <ul style="list-style-type: none"> Add Sensor/Device to Network Restore From Clone Create Report 	N/A

Changes & Fixes

Note

- For changes and fixes in previous releases, see past In-Sight Explorer release notes. Release notes for previous 5.x.x releases are available in the *In-Sight Explorer® Help* file.
- The release notes include issue numbers (where applicable) to better track known issues reported by Cognex Technical Support.

Issue#	Change/Fix	Applicable Firmware Version
IS-756	On the Web HMI, curved/bent/rotated regions no longer display unnecessary masks.	5.7.4
IS-1291	SVG graphics are now displayed in the correct location when an SVG file and an image file are exported and the Start Row and Number of Rows are not configured to use the default values.	5.7.4
IS-1408	The In-Sight vision system no longer experiences a partial firmware lock up when a remote FTP server occasionally disconnects or fails to respond. Previously, when this issue occurred, the In-Sight vision system could not connect to the GUI.	4.10.5 PR2 & 5.7.3
IS-1539	Fixed the CIO-1400 I/O module's disconnect issue while connecting to the In-Sight 7000 Gen2 series vision system or the In-Sight 9000 series vision system.	5.7.3 & 5.7.4
IS-1831	An unhandled exception error is no longer displayed when attempting to change the Host Name of the connected In-Sight vision system/sensor in the Network Settings dialog.	5.7.4
IS-1842 IS-1843	The Web HMI now displays an image with the correct quality when zooming in. Previously, the image quality could be impaired and/or the image could not properly update when zooming in, especially when connected to a high resolution In-Sight vision system.	5.7.4
IS-1855	Fixed an issue that prevented the In-Sight vision system/sensor from sending audit messages after reestablishing a connection to an audit message server.	5.7.4

Known Issues

Note: The release notes include issue numbers (where applicable) to better track known issues reported by Cognex Technical Support.

Issue#	Issue	Affected Firmware Version
FFP-861	Sending the communication settings, such as the IP address, from Mitsubishi iQ Sensor Solution (GX Works) to the In-Sight vision system/sensor running In-Sight 5.7.4 firmware is not supported.	5.7.4
IS-334	When you try to connect your vision system/sensor to the Web HMI for the first time, you may receive an error message: Permission error appears and connection is denied. <i>Workaround:</i> Reinstall or update the firmware on the vision system/sensor and then retry the Web HMI connection.	5.7.4
48478	If an In-Sight vision system that runs firmware 5.6.0 or later has a job with many instances of the ReadIDMax function, the job might require more memory than is available on the vision system. Any instances of the ReadIDMax function that exceed the available memory returns #ERR. For example, if an In-Sight 8405 vision system job contains more than 100 instances of the ReadIDMax function, you might encounter this problem.	5.7.4
45581	For In-Sight 7000 Gen2 series and 9000 series vision systems configured for CIP-Sync/PTP, 1588 synchronization accuracy through a transparent clock-switch might increase to more than 10µs offset from master.	5.7.4
35828	If an industrial Ethernet communication protocol triggers the vision system, the JobPass signal is sent only if the job contains a WriteResultsBuffer function. This issue does not occur with EasyBuilder applications once the Communication application step has been configured.	5.7.4
32479	If you update the In-Sight vision system firmware while it is connected to a POWERLINK network, it results in a code 13710, with the vision system needing to be power cycled and the files restored (the firmware will be successfully updated, however). <i>Workaround:</i> Before you update the vision system firmware, complete the following steps: <ol style="list-style-type: none"> 1. Remove the vision system from the POWERLINK network and connect the vision system to a network port on the same subnet as the computer that runs In-Sight Explorer. 2. Power cycle the vision system. 3. Update the firmware while the vision system in Ethernet mode. 4. Place the vision system back onto the POWERLINK network. 5. Power cycle the vision system. 	4.10.5 PR2