

# In-Sight® Explorer 5.7.2 Release Notes

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## Overview

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

- [System Requirements](#)
- [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 Requirements

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:

- Intel® Celeron® 1000M processor running at 1.8GHz (or equivalent)
- 2GB of available RAM
- 4GB of available hard-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)
- Network interface card (at least 100Mbps) for connecting to an In-Sight vision system

### PC Hardware Recommended Requirements

The following recommended hardware requirements are for PCs that are simultaneously connected to up to four In-Sight vision systems:

- Intel Core™ i7 processor running at 2.7GHz (or equivalent)
- 4GB of available RAM
- 8GB of available hard-disk space
- Video card that can display 1920 x 1080 resolution at 32-bit color depth (the DPI Display setting must be set to 96 DPI)
- Gigabit network interface card for connecting to 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 5.7.2 software contains three firmware versions:

- In-Sight 5.7.2
- In-Sight 5.7.1
- In-Sight 4.10.5 PR1

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 5.7.2

- In-Sight Advantage Engine

### In-Sight Firmware 5.7.1

- 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 Firmware 4.10.5 PR1

- 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 4.5

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

**Note:** If you attempt to install In-Sight Explorer on a system with Microsoft .NET Framework 3.5 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.

## 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
IS-459	The performance of loading complex EasyBuilder jobs to the In-Sight vision system and/or sensor has been improved.
IS-827	An unhandled exception error is no longer displayed when launching the Firmware Update dialog.
IS-758	The PC filmstrip no longer slows down during image playback when connected to the In-Sight emulator.

## 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
IS-856	At times, saving a file to a sub-directory in an FTP server's root directory using the WriteImageFTP, WriteFTP or WriteImageSFTP function can result in the file being saved to the FTP server's root directory. <i>Workaround:</i> Save files to the FTP server's root directory.	5.7.2, 5.7.1 & 4.10.5 PR1
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> Before you connect your vision system/sensor to the Web HMI, reinstall or update the vision system/sensor firmware on the system.	5.7.2 & 5.7.1
48478	If an In-Sight vision system that 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.	5.7.2 & 5.7.1
45581	For In-Sight 7600/7800 series and 9902L vision systems configured for CIP-Sync/PTP, 1588 synchronization accuracy through a transparent clock-switch might increase to more than 10µs offset from master.	5.7.2 & 5.7.1
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.	5.7.2 & 5.7.1

Issue#	Issue	Affected Firmware Version
32479	<p>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).</p> <p><i>Workaround:</i> Before you update the vision system firmware, complete the following steps:</p> <ol style="list-style-type: none"><li>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.</li><li>2. Power cycle the vision system.</li><li>3. Update the firmware while the vision system in Ethernet mode.</li><li>4. Place the vision system back onto the POWERLINK network.</li><li>5. Power cycle the vision system.</li></ol>	4.10.5 PR1