

In-Sight® Explorer 6.3.0 Release Notes

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Overview

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

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

Note: For the latest release notes and documentation, visit: support.cognex.com/documentation/in-sight.

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 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 6.3.0 software contains three firmware versions:

- In-Sight 6.3.0
- In-Sight 5.9.2
- 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 6.3.0

- 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 5.9.2

- In-Sight 5705 and 5705C 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 4.5.2

In-Sight software requires Microsoft .NET Framework 4.5.2. If the In-Sight software installer fails to detect Microsoft .NET Framework 4.5.2, it attempts to download and install it.

New Features

New Features
Introducing New TruCheck camera model IS7905.
Introducing TruCheckIDVerification, a new function which: <ul style="list-style-type: none">combines the capabilities of VerifyIDCode and ValidateIDData. TruCheckIDVerification can extract metrics associated with code readability, mark quality, and formatting validation of symbols that ReadIDMax function initially reads.implements ISO standards of verification metrics.uses numerous new spreadsheet snippets, which can be reached under the Palette pane /Snippets tab/ ID folder. For more information see In-Sight Explorer documentation.
To use these functions you need to have an IS7905 vision system with In-Sight Explorer 6.3.0 or later.

Changes & Fixes

Notes: <ul style="list-style-type: none">For changes and fixes in previous releases, see past In-Sight Explorer release notes. Release notes for previous releases are available in the <i>In-Sight Explorer</i>[®] <i>Help</i> file.The release notes include issue numbers (where applicable) to better track known issues reported by Cognex Technical Support.

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-5258	Web HMI: 403 error seen in browser after successfully firmware updating certain IS2000 devices. Workaround: performing a 2nd firmware upgrade.	6.3.0
IS-4432	If the ReadIDMax function is configured to read Data Matrix symbols, the Enable Training option is checked, and Train Perspective is selected from the Perspective drop-down, subsequent attempts to read the symbol will fail.	6.3.0

Issue#	Issue	Affected Firmware Version
IS-2854	<p>After a power-cycle, if the vision system/sensor receives a new trigger, no new results are added to the Sensor Filmstrip queue. However, the image and spreadsheet continue to update correctly.</p> <p>Conditions:</p> <ul style="list-style-type: none"> • An In-Sight vision system/sensor is configured to use the Sensor Filmstrip. • In the Sensor Filmstrip Settings dialog, the Queue drop-down is configured as Separate Pass and Fail Results. • In the Sensor Filmstrip Settings dialog, the Queue Size is increased or decreased. • The vision system/sensor is power-cycled. • After the power-cycle, the vision system receives a new trigger. <p>Workaround:</p> <ol style="list-style-type: none"> 1. Within In-Sight Explorer, click Sensor menu > Sensor Filmstrip Settings to launch the Sensor Filmstrip Settings dialog. 2. From the Queue drop-down, select an option other than Separate Pass and Fail Results and click OK. 3. Relaunch the Sensor Filmstrip Settings dialog. 4. From the Queue drop-down, select Separate Pass and Fail Results and click OK. When the vision system/sensor is triggered, results are correctly added to the queue. 	6.3.0
FFP-1646	<p>In-Sight 2000 series vision sensors running In-Sight firmware version 5.9.1 and later are not certified for PROFINET Conformance. To run In-Sight 2000 series vision sensors with PROFINET Conformance, you can downgrade the In-Sight 2000 series vision sensors' firmware version to In-Sight 5.9.0 or 5.8.x.</p>	5.9.1 & 6.3.0
IS-2195	<p>If In-Sight Explorer is installed to a PC with a Microsoft Windows 10 operating system and the Beta: Use Unicode UTF-8 for worldwide language support is checked in the Region dialog, the vision system or emulator may not be able to connect to the In-Sight Explorer Spreadsheet View.</p> <p>Workaround: Uncheck the Beta: Use Unicode UTF-8 for worldwide language support checkbox.</p> <ol style="list-style-type: none"> 1. In the search box on the Windows taskbar, type Control Pane and select the Control Panel App. 2. From the Windows Control Panel search box, type Region and select the Region text. 3. In the Region dialog that opens, click the Administration tab and click the Change system locale... button. 4. In the Region Settings dialog that opens, uncheck Beta: Use Unicode UTF-8 for worldwide language support and click OK to close the Region Settings dialog. 5. Click OK to close the Region dialog. 6. Reboot the PC. 	N/A
FFP-1053	<p>When the vision system is configured to load a job at startup (Sensor menu > Startup) and the EV SetSystemConfig OPCUA.TimeSync Extended Native Mode command is issued, OPC UA Job Tags are missing in the OPC UA client when browsing the address space (Objects > Server > VisionSystem > Results > JobTags node).</p>	6.3.0
FFP-875	<p>Sending the communication settings, such as the IP address, from Mitsubishi iQ Sensor Solution (GX Works) to the In-Sight vision system/sensor is not supported.</p>	6.3.0
IS-334	<p>When you try to connect your vision system/sensor to the Web HMI for the first time, you may receive a permission error and connection is denied.</p>	