

In-Sight® Explorer 5.6.0 PR1 Release Notes

© Copyright 1999-2018 Cognex Corporation. All rights reserved.

Revision: 5.6.00010000.5, 06/13/2018

Overview

Release 5.6.0 PR1 is a patch release for In-Sight 5.6.0 firmware. This release provides fixes to known issues and does not include any new functionality.

- [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 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 within 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 the In-Sight Explorer software.

PC Hardware Requirements

Minimum

Note: The minimum hardware requirements are for PCs that you connect 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 capable of displaying 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

Recommended

Note: The recommended hardware requirements are for PCs that you simultaneously connect 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 capable of displaying 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

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

Supported In-Sight Vision Systems/Sensors

Note: For a complete list of models and supported firmware versions, see the Firmware Versions topic in the *In-Sight® Explorer Help* file.

- 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

Changes & Fixes

Notes:

- 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 Change Request numbers (CR#) (where applicable) to improve tracking of Known Issues reported from Cognex Technical Support.

CR#	Change/Fix	Applicable Firmware Version
79073	For In-Sight 2000 series vision sensors with the HMI Server enabled, stability issues no longer occur when the sensor is connected to the Web HMI through a high-traffic network. Previously, the vision sensor could become unresponsive and disconnect from the network, requiring a power-cycle.	5.6.0 PR1

CR#	Change/Fix	Applicable Firmware Version
79668	When an In-Sight 2000 series color vision sensor is connected to a Web HMI and acquiring images as fast as possible, the vision sensor trigger rate is no longer affected. Previously, the trigger rate could drop significantly.	5.6.0 PR1
81197	If the Sensor Filmstrip Queue Size is configured to save the maximum number of images to the vision system, the vision system is placed Online and an image is selected in the filmstrip queue, the spreadsheet cell content now remains intact. Previously, the contents of the spreadsheet cells might have been erased.	5.6.0 PR1

Known Issues

Note: The release notes include Change Request numbers (CR#) (where applicable) to improve tracking of Known Issues reported from Cognex Technical Support.

CR#	Issue	Affected Firmware Version
79652	For In-Sight 2000 series vision sensors running firmware version 5.6.0, the Maximum View Connections (In-Sight Explorer, VisionView or Web HMI) is limited to 2.	5.6.0 PR1
79345	When Web HMI is in use, do not run PROFINET cyclic I/O faster than 8ms.	5.6.0 PR1
78064	If an In-Sight 8000 series vision system or In-Sight 2000 series vision sensor is running firmware version 5.6.0 and downgraded to 5.5.x firmware or earlier, non-English files may be deleted from the vision system/sensor. Even if the files are manually backed up using the Backup dialog prior to the process, non-English files may not be restored after the downgrade. <i>Workarounds:</i> To restore non-English files, do one of the following workarounds: <ul style="list-style-type: none"> Use In-Sight Explorer 5.6.0 to downgrade the firmware. You can select a different firmware version using the drop-down menu in the New Version column in the Select Vision System for Firmware Update dialog (System > Update Firmware). If using In-Sight Explorer 5.5.x or earlier to downgrade the firmware, perform the firmware update process twice. The second firmware update process restores non-English files to the vision system/sensor. 	5.6.0 PR1 and earlier
48636	If an In-Sight 7600/7800 series vision system that shipped with 5.5.0 or later firmware is then downgraded to 5.4.1 firmware or earlier, it may take approximately four minutes for the vision system to reboot when power-cycled.	5.6.0 PR1 and earlier
48478	If an In-Sight vision system running firmware 5.6.0 has a job with many instances of the ReadIDMax function, the job may require more memory than is available on the vision system and any instances of the ReadIDMax function that exceed the available memory will return #ERR. For example, if an In-Sight 8405 vision system job contains more than 100 instances of the ReadIDMax function, this problem may be encountered.	5.6.0 PR1
45581	For In-Sight 7600/7800 series vision systems configured for CIP-Sync/PTP, 1588 synchronization accuracy through a transparent clock-switch may increase to greater than 10 μ s offset from master.	5.6.0 PR1
43186	While configuring a Serial Text, Serial Native, TCP/IP or UDP device in the Communication application step on an In-Sight 2000 series vision sensor, the FormatString dialog will show #ERR in the Output String box. To see the Output String, you must click OK to close the dialog, and then the Output String is displayed correctly in the Format Output String tab.	5.6.0 PR1
42550	In-Sight Track & Trace job files are not supported on In-Sight models running 5.1.0 and later firmware versions.	5.6.0 PR1
35828	If the vision system is triggered via an industrial Ethernet communication protocol, the JobPass signal is only sent if the job contains a WriteResultsBuffer function. This is not an issue for EasyBuilder applications.	5.6.0 PR1

CR#	Issue	Affected Firmware Version
32479	<p>Updating the firmware of an In-Sight vision system while connected to a POWERLINK network will result 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 updating the vision system's firmware, follow these steps:</p> <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 running 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