

In-Sight® Display Control 5.6.0 Release Notes

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Revision: 5.6.00010000.5, 06/13/2018

Overview

This document describes the In-Sight Display Control for Microsoft® Windows®, including the following topics:

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About The In-Sight Display Control

The In-Sight Display Control (CvsInSightDisplay) forms the heart of the Job View window in In-Sight Explorer and provides a display of images, graphics and spreadsheet data when connected to an In-Sight vision system. This control is packaged as both a .NET control that can be inserted onto a Microsoft Visual Studio C# .NET or VB.NET Windows Forms application and an ActiveX component that can be integrated into Visual Basic 6.0 or HMI/SCADA environments.

Note:

- Almost all of the functionality of the In-Sight Display Control is available for use in either .NET or COM/ActiveX applications, but there are a few capabilities of this control that are available only in .NET and not when using COM/ActiveX. Please refer to the *In-Sight Display Control* help file for details on the differences between the .NET and COM/ActiveX environments.
- The In-Sight Micro 1020, In-Sight 2000 series and In-Sight 7020, 7010, 7230, 7430 and 7432 are not supported with the In-Sight Display Control.

Visit the [In-Sight Online Support Center](#) to download the latest release notes and documentation, including localized versions.

System Requirements

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 In-Sight Display Control may function on other operating systems, systems not meeting the preceding requirements have not been tested and are not supported.

Supported Languages

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

Supported In-Sight Vision Systems/Sensors

Firmware Version Support

In-Sight 5.6.0 software contains three firmware versions:

- In-Sight 5.6.0
- In-Sight 5.2.2
- In-Sight 4.10.5

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 running older firmware to the most recent, supported firmware versions.

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

In-Sight Firmware 5.2.2

- In-Sight Advantage Engine

In-Sight Firmware 4.10.5

- 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)

Note: The In-Sight Micro 1020, In-Sight 2000 series and In-Sight 7020, 7010, 7230, 7430 and 7432 are not supported with the In-Sight Display Control.

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 will attempt to download and install it.

Supported Development Environments

- Microsoft Visual Studio 2013
- Microsoft Visual Studio 2012

Note: ActiveX controls are supported by Microsoft Visual Basic 6.0, Rockwell Automation FactoryTalk® View Site Edition (SE) and compatible ActiveX host applications.

Installation

The In-Sight Display Control is installed with the In-Sight Software and In-Sight SDK installers, and you must be logged on as a user with full administrative privileges in order install either.

Note: COM/ActiveX applications developed with a different version of the In-Sight Display Control or the In-Sight SDK are not compatible with this version and will not function properly. Either the custom applications need to be recompiled against this version, or the original version must be reinstalled. (CR# 5084)

Sample Projects

In-Sight Display Control Sample Projects are installed to the following folder:

- C:\Users\Public\Documents\Cognex\In-Sight\In-Sight Sample Projects 5.x.x

A shortcut on the Start Menu is available to open this location.

API Changes

Refer to the *In-Sight Display Control* help file for a complete list of enhancements and other API changes in this release of the In-Sight Display Control.

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
15264	<p>When building an In-Sight Display Control application on a 64-bit operating system, you must set your Platform Target to x86. If the Platform Target is set to Any CPU or x64, your application may crash with a FileNotFoundException or BadImageFormatException.</p> <p><i>Workaround:</i> To configure your application for an x86 Target Platform in Visual Studio:</p> <ol style="list-style-type: none"> 1. In Solution Explorer, right-click your project and select Properties. 2. Select the Build tab. 3. Toggle the Platform target drop-down list to be x86. <p>Note: Consult the <i>In-Sight Display Control Help</i> file for specific instructions for C# and VB.NET projects.</p>
5771	<p>If you have multiple versions of In-Sight Software installed, uninstalling one version may result in the following error message when attempting to use the Cognex In-Sight Display Control (CvsInSightDisplay) in a VB6, COM or ActiveX environment:</p> <p style="padding-left: 40px;"><i>Component 'CvsInSightDisplay.ocx' or one of its dependencies not correctly registered: a file is missing or invalid.</i></p> <p><i>Workaround:</i> To correct the issue, open the Windows Control Panel, select the desired In-Sight Software installation and perform a Repair.</p> <p>Note: Only one version of the In-Sight Display Control can be registered for COM/ActiveX on your system at a time, and this is always the latest version installed. Although applications compiled using an older version of the In-Sight Display Control may seem to function with this version installed, their compatibility with this version is not guaranteed.</p>
5319	<p>When a PairDistance function is added to an Abs formula, as in either of the following examples, "Abs (B2)+PairDistance(C2,0,1)" or "PairDistance(C2,0,1)+Abs(B2)", the expression may cause the Property Sheet to open incorrectly.</p> <p><i>Workaround:</i> The PairDistance function should be placed in its own cell and referenced by the other expression.</p>
5230	<p>If you add an OPC Tag from an In-Sight Display Control, the corresponding OPC Tag inside the In-Sight OPC Server must use the exact same upper and lower case characters. If the two names do not match exactly, a Configuration Error will result in the OPC Server.</p>
5093	<p>The Open and Save File dialogs (such as CTRL+O), when invoked from the In-Sight Display Control in a custom .NET or ActiveX environment, differ in behavior from the Open/Save File dialogs launched from In-Sight Explorer. Under the list of "In-Sight Sensors," In-Sight Explorer will list all In-Sight vision systems on the local subnet and any Explorer Host Table entries. When launched from an In-Sight Display control in a .NET or ActiveX environment, however, these same dialogs will show the list of all systems on the local subnet and In-Sight Host Table entries stored on the vision system to which the display is connected.</p>