

In-Sight® Display Control 5.7.0 Release Notes

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Overview

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

- [About the In-Sight Display Control](#)
- [System Requirements](#)
- [Installation](#)
- [Sample Projects](#)
- [API Changes](#)
- [Changes & Fixes](#)
- [Known Issues](#)

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 into 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

This section describes system requirements for the In-Sight Display Control software.

PC Hardware Minimum Requirements

The following 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 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 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 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 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

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

Firmware Version Support

In-Sight 5.7.0 software contains three firmware versions:

- In-Sight 5.7.0
- In-Sight 5.3.3
- 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 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 5.7.0

- 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 5.3.3

- 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 attempts 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 to install the software.

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 Microsoft Windows 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.

Changes & Fixes

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

CR#	Issue
N/A	In-Sight Display Control can now be installed as a 32-bit or 64-bit application. Note the default installation path is unchanged, and In-Sight Display Control is installed to C:\Program Files (x86)\Cognex\In-Sight\In-Sight Display Control 5.x.x for both 32-bit and 64-bit operating systems.
15264	When building an In-Sight Display Control application on a 64-bit operating system, you can now set your Platform Target to Any CPU, x64, or x86 in Visual Studio. Previously, you must set your Platform Target to x86 in Visual Studio.

Known Issues

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

CR#	Issue
82479	<p>If you try to install the In-Sight Display Control 5.7.0 on a system with the Microsoft .NET Framework 3.5 disabled when the Windows updates are still being processed, you may receive an error message: Error installing Microsoft .NET Framework; Error code 0x800f081f.</p> <p><i>Workaround:</i> Wait for the Windows updates to complete (reboot if necessary), then install the In-Sight Display Control 5.7.0.</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><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> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <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> </div>
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>