

### C# v2012 OPC

THIS COGNEX SOFTWARE CONTAINS CERTAIN COMPUTER PROGRAMS AND OTHER PROPRIETARY MATERIAL OF COGNEX AND/OR ITS LICENSORS, THE USE OF WHICH IS SUBJECT TO THE SOFTWARE LICENSE AGREEMENT (THE "AGREEMENT") THAT ACCOMPANIED THIS DELIVERY. YOU AGREE TO BE BOUND BY THE TERMS OF THE AGREEMENT BY INSTALLING OR OTHERWISE USING THE COGNEX SOFTWARE. DO NOT PROCEED WITH THE INSTALLATION OF THE COGNEX SOFTWARE UNTIL YOU HAVE READ THE AGREEMENT AND AGREE TO BE BOUND BY AND BECOME A PARTY TO THE AGREEMENT. IF YOU DO NOT AGREE TO THE AGREEMENT TERMS, DO NOT INSTALL, USE OR COPY THE COGNEX SOFTWARE, AS YOU ARE NOT AUTHORIZED TO DO SO.

### Sample Overview

This sample illustrates the following:

- Connecting to a Cognex In-Sight OPC Server
- Retrieving a list of Cognex In-Sight sensors and the OPC tags for each sensor.
- Reading/Writing OPC tag values.

### In-Sight OPC Server Requirements

Before running this sample, please consult the In-Sight OPC Server Release Notes (installed with this product) for details on Operating System, Hardware, and Software requirements to verify that your target system supports the In-Sight OPC Server 5.7.2.

The In-Sight OPC Server Release Notes can be accessed from the Start Menu as follows:

Programs > Cognex > In-Sight > In-Sight OPC Server 5.7.2

### Using the Sample Application

1. Launch the In-Sight OPC Server.
2. Save a Configuration with at least one In-Sight sensor.
3. Place the In-Sight OPC Server into **Running** mode.
4. Launch Visual Studio .NET.
5. Open the solution file: [OPCSample.sln](#)
6. Run the project by pressing **F5**.

## Read Me

7. Select a sensor in the left-hand In-Sight Sensors panel.
8. The OPC tags you've configured should appear in the right-hand view.

### Notes

- Consult the In-Sight OPC Server help file for instructions on creating a Configuration.
- For more information on OPC, visit the OPC Foundaton web site: <http://www.opcfoundation.org>