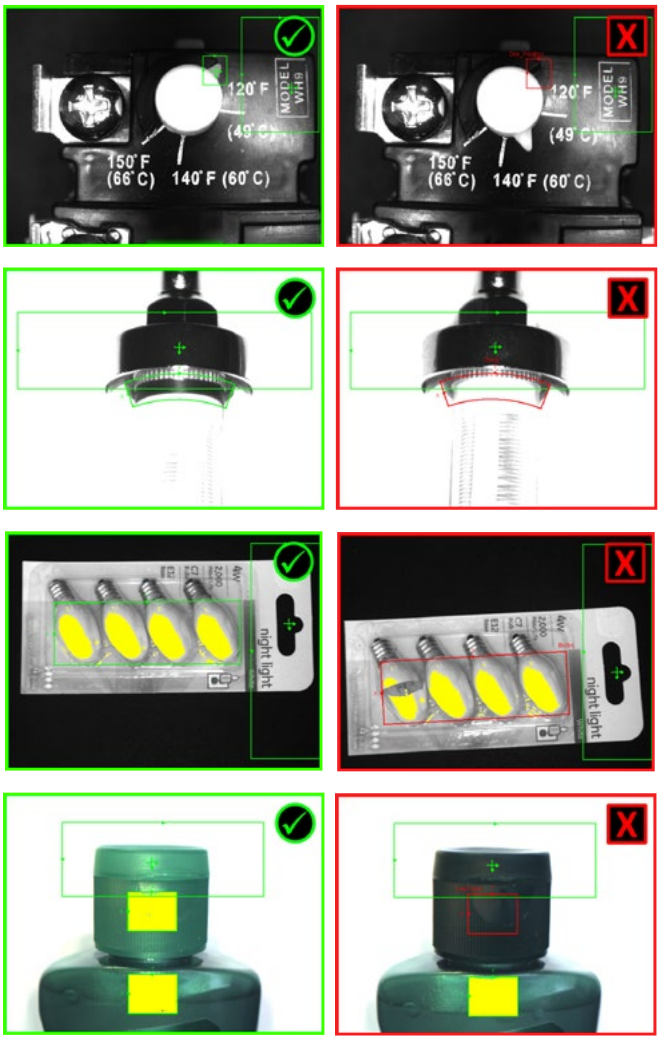
COGNEX

IN-SIGHT 2000 SERIES VISION SENSORS

In-Sight® 2000 series vision sensors combine the power of an In-Sight vision system with the simplicity and affordability of a vision sensor. Ideal for solving error-proofing applications, these vision sensors set new standards for value, ease of use and flexibility thanks to a powerful combination of proven In-Sight vision tools, simple setup, and a modular design featuring field-changeable lighting and optics.

Together with the In-Sight Explorer™ EasyBuilder® interface, which provides fast, step-by-step application setup, these vision sensors allow even novice users to achieve extremely reliable inspection performance in nearly any production environment.

In-Sight 2000 series vision sensors can also be configured for in-line and right-angle installation and are available in two form factors. This modular body design provides maximum flexibility to mount in tight spaces, allows for customized wiring and optical paths, and minimizes the need to design new mechanical fixtures.



Benefits at-a-glance

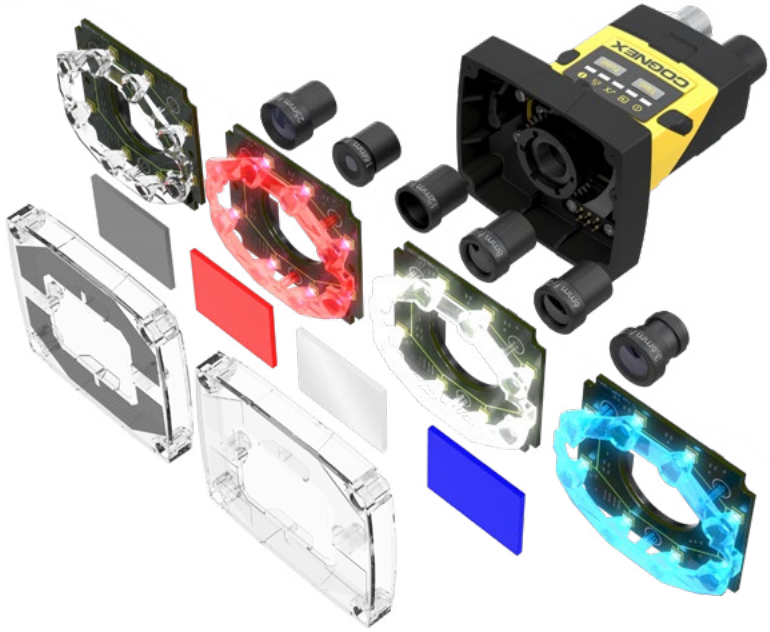
- Affordable vision sensor powered by In-Sight Explorer software and EasyBuilder—the same interface used for all In-Sight vision systems
- Simple for both new and existing users to meet their automated inspection challenges
- Monochrome and color sensor models solve presence/absence applications, including color verification
- Proven, reliable Cognex In-Sight vision tools
- Compact, modular design with field-changeable, integrated optics and lighting
- Fully compatible with Cognex VisionView® PC software and VisionView 900 HMI touchscreen panel

Choice of lighting and optics for different application requirements

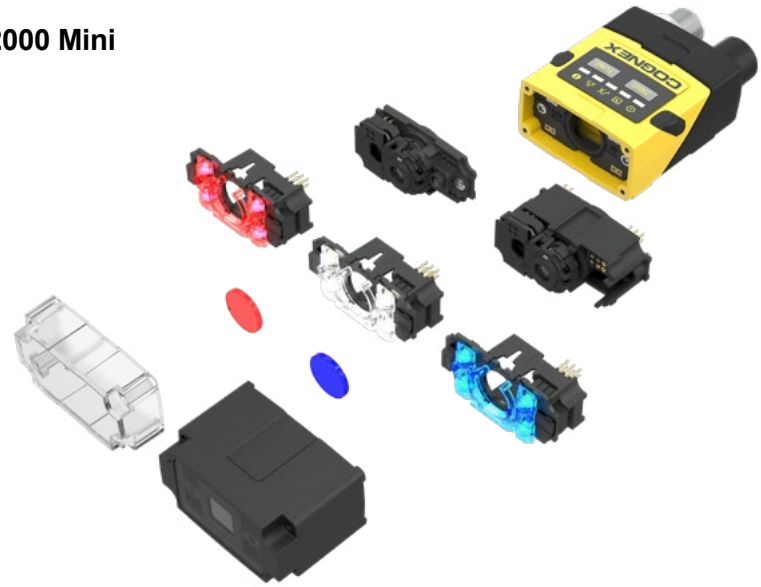
All In-Sight 2000 series models include an integrated lens and LED illumination that eliminates the need for costly external lighting. Lenses and lighting are field-interchangeable to adjust to different application requirements.

The In-Sight 2000 Mini has a smaller form factor making it ideal for mounting in tight spaces. This model also features an autofocus lens powered by liquid lens technology. This eliminates the need to manually refocus or adjust the mounting height of the sensor during a line changeover.

In-Sight 2000



In-Sight 2000 Mini



A model for any application

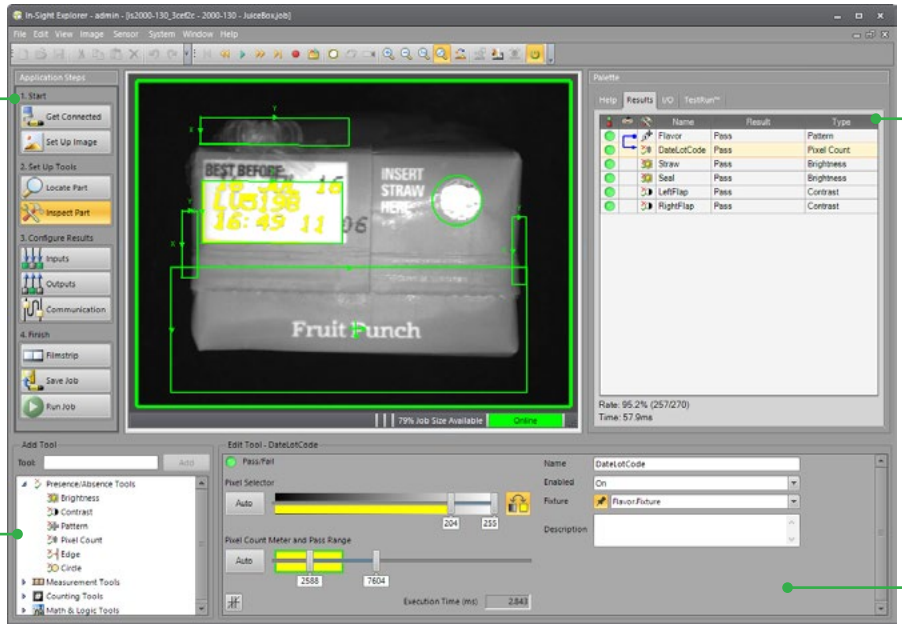
Available in both monochrome and color image models, and with three different combinations of vision tools, the In-Sight 2000 series lets you choose the level of capability you need. Many applications require only the simple pattern matching of the 2000-110 models. The 2000-120 and 2000-130 models offer larger tool sets for solving a wider range of applications, including a 2x magnification mode that delivers greater image detail for inspecting smaller features on parts. Whatever your inspection application, there's an In-Sight 2000 vision sensor model that's right for the job.

Fast, intuitive setup with EasyBuilder

With its intuitive, point-and-click presence/absence tools, the EasyBuilder interface is ideal for setting up simple pass/fail inspections. When more complex inspections are required, users can build on their experience to create vision applications using more advanced In-Sight vision systems—in the same In-Sight Explorer interface.

Simple steps guide you through configuring and deploying your application

Choose tools from the list to add them to your inspection



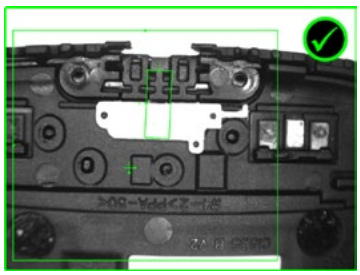
See inspection results at a glance

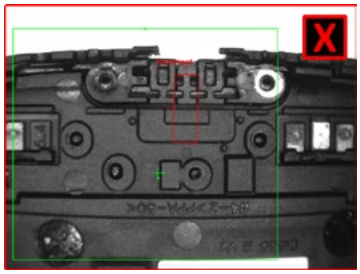
Point and click controls make it quick and easy to set up any tool to achieve reliable results

A solution for any industry

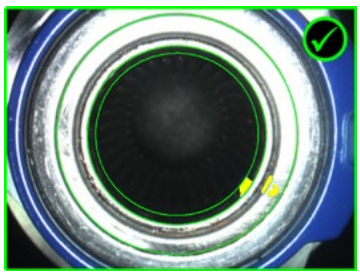
In-Sight 2000 series vision sensors deliver simple pass/fail results across a wide range of applications in multiple industries. Powerful vision tools deliver robust inspection results for parts in all shapes and sizes. Below, a contrast tool is used to detect the presence of a gasket in an electronics sub-assembly, a pixel count tool is used to identify QA marks on an automotive part, and a color pixel count tool is used to inspect the proper packaging for a fruit snack.

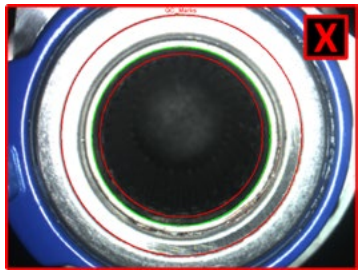
Electronics





Automotive





Food and Beverage