

## IN-SIGHT 7000 SERIES VISION SYSTEM

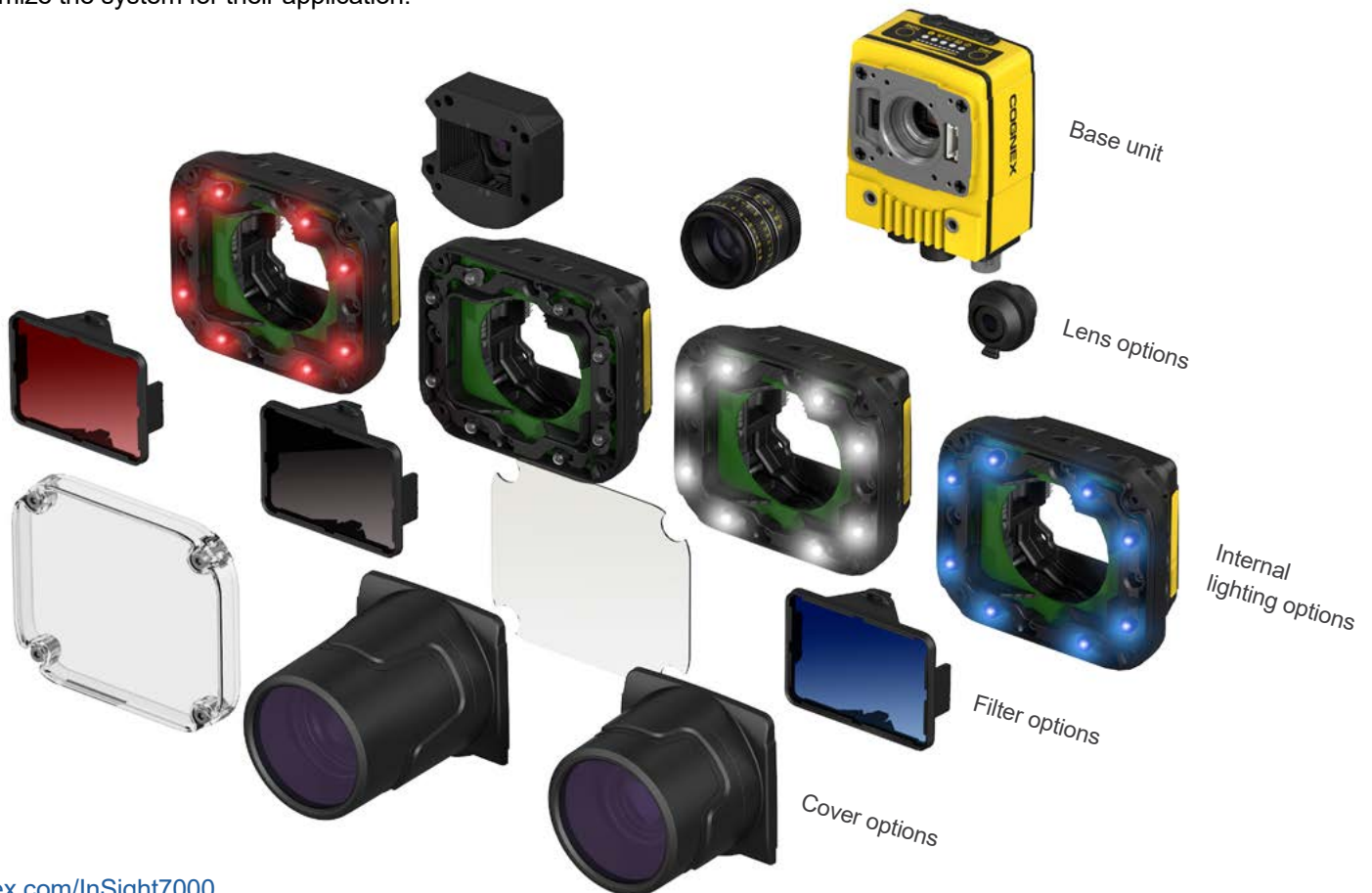
The In-Sight® 7000 series vision system represents a breakthrough in flexibility, performance and ease of integration. This powerful vision system performs fast, accurate inspections while its compact footprint easily fits into space-constrained production lines. The unique, modular design is highly field-customizable to your application requirements.

### Enhanced performance keeps pace with increasing line speeds

With ever-increasing production line speeds, customers no longer have to choose between high-speed and industrial performance—the In-Sight 7000 offers both! With blazing fast acquisition and industry leading vision tools, including PatMax RedLine®, SurfaceFX™ and OCRMax®, the In-Sight 7000 vision system quickly locates the part and accurately performs the necessary inspection.

### Flexible design is field customizable to your application

When it comes to factory automation, one size rarely fits all. That's why the In-Sight 7000 is designed with Flexible Image Technology™ (FIT™) that optimizes image formation and minimizes the need for expensive external lighting. Field-changeable and user-configurable lighting and optics modules provide users with ultimate flexibility to customize the system for their application.



## Full-featured system to tackle a wide range of vision applications

The In-Sight 7000 vision system is engineered with the full suite of powerful Cognex vision algorithms and convenient features to help you solve your applications easily and reliably.

Suite of enhanced vision tools including PatMax RedLine, SurfaceFX and OCRMax for rapid part location and inspection.

Onboard SD card for additional data storage and easy transfer of job files between systems.

Flexible Image Technology (FIT) optimizes image formation and minimizes the need for expensive external lighting.

Wrap-around LED indicator light provides clear visual pass/fail inspection results that can be seen from a distance regardless of product orientation.

Field changeable C-mount and S-mount lenses and an autofocus option for best image resolution based on working distance.

IP67-rated housing provides protection in harsh factory environments.



### Additional internal lighting options

In addition to other small form factor lights, the In-Sight 7000 is compatible with ImageMax™ technology used with DataMan® 360 series barcode readers. The ImageMax technology module offers diffuse illumination ideal for inspecting parts at varying working distances.

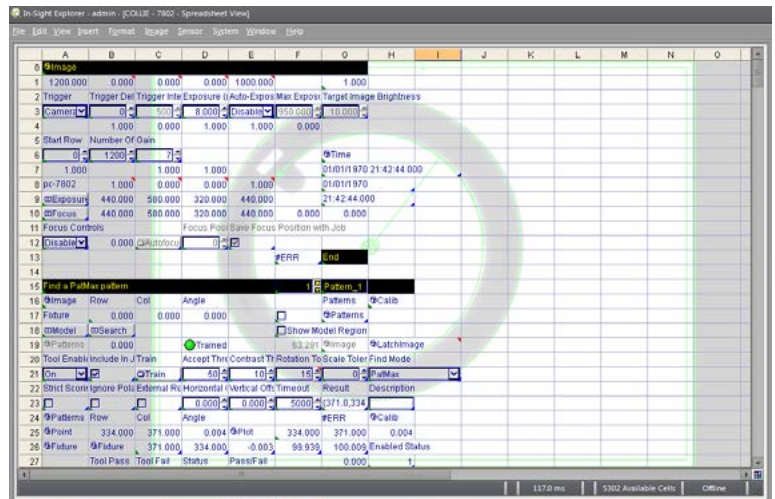


## Integrates easily into your system infrastructure

Like all In-Sight vision systems, the In-Sight 7000 uses In-Sight Explorer EasyBuilder® to set up and monitor machine vision inspections. The intuitive interface guides operators through a step-by-step setup process allowing both novice and experienced users to configure vision applications quickly and easily.

The majority of applications can be solved using the point-and-click EasyBuilder interface, however should your application requirements change, the In-Sight spreadsheet provides you with ultimate control through direct access to the vision tools and communication options. Access to the spreadsheet not only provides programming flexibility to make essential adjustments, it also offers assurance that you will be able to solve any of your vision applications.

[cognex.com/easybuilder](http://cognex.com/easybuilder)

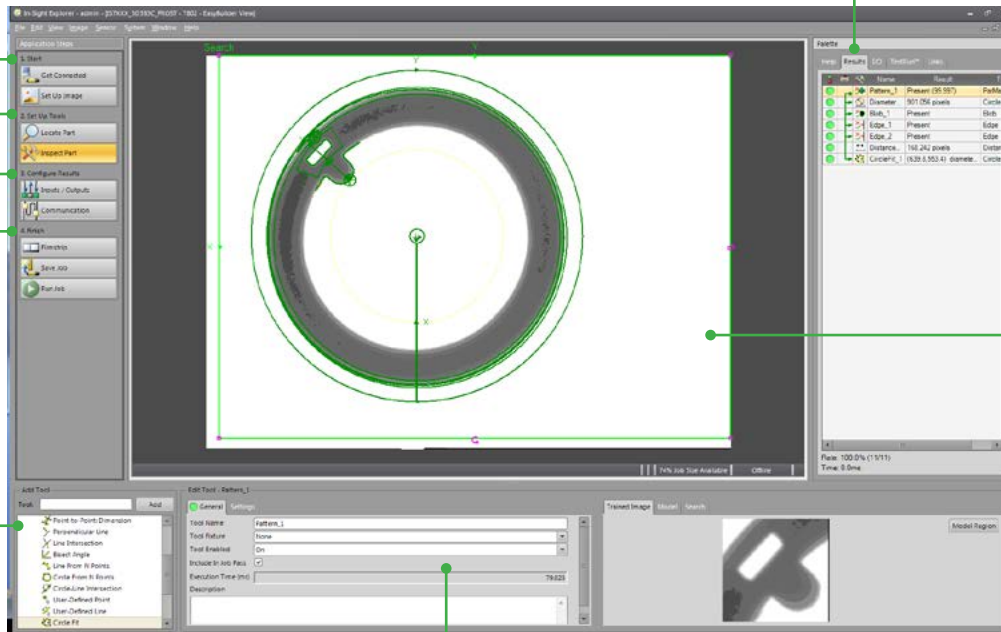


*In-Sight spreadsheet provides ultimate control and direct access to vision tools.*

The EasyBuilder user interface provides intuitive steps for even the most difficult applications. With no programming or spreadsheets needed, applications are deployed at breakthrough speed.

Four simple steps guide you through the setup process

- 1
- 2
- 3
- 4



**Results table**— Consolidates tool results for easy viewing and helps users understand tool dependencies and performance timing

**Image centric**— Point-and-click approach lets users drop in tools quickly by simply clicking on the features of interest

**Tools palette**—Comprehensive set of vision tools for locating, measuring, counting and identifying features, plus math, logic, geometry and graphic display tools

**Settings pane**—Configures all vision tool parameters and settings

