



# BOA Smart Cameras

Small, Flexible, and Smart. Built for Industry. Made for End Users.



## Smart Vision for Automation

**INTRODUCING BOA:** BOA is a highly integrated optical inspection tool for controlling quality and increasing productivity. It comprises all the elements of an industrial machine vision system in a tiny smart camera style package.

---

## Easy to Use and Inexpensive

BOA is a highly integrated vision system in a compact “smart” camera format engineered specifically for factory floor automation. With choice of application software embedded, BOA offers new and experienced users alike, an easy-to-deploy, cost effective vision solution for single point industrial inspections.



---

## Flexible Integration

BOA provides standard industrial Ethernet protocols for integrating into the factory network, including support for popular PLCs such as Rockwell Automation and Siemens. BOA ensures that data is moved quickly and accurately with minimal integration effort.

In addition to Ethernet, BOA provides serial RS-232 and discrete I/O connections, as well as expandable I/O options. A dedicated strobe output is further provided for direct light control.

BOA is compatible with industry standard M12 cord sets to minimize hardware integration costs.



# Powerful Software Solutions

BOA vision systems are available with 2 different software applications:



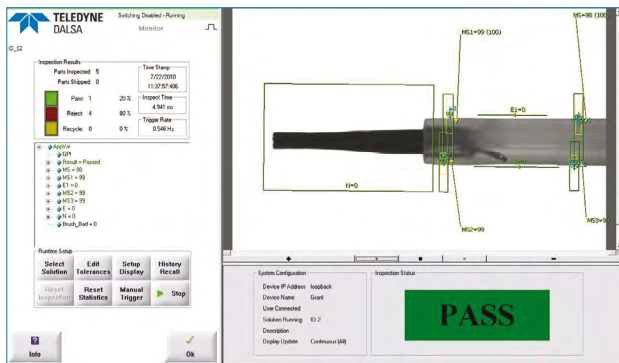
## BOA INS

The standard product is offered with our **iInspect Express™** software. Ideal for both new and experienced users alike, iInspect Express can be quickly set-up to satisfy a multitude of common inspection tasks.

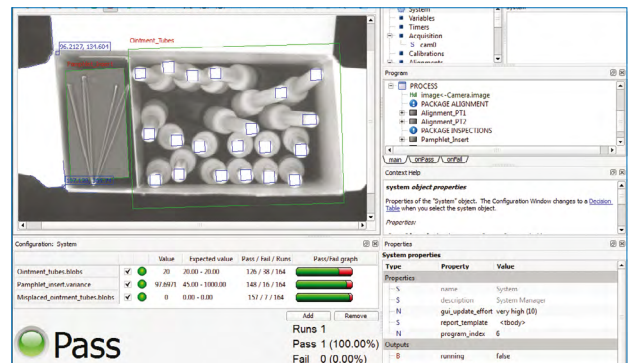
## BOA PRO

The PRO version is offered with our coveted **Sherlock™** application software. Ideal for vision integrators, Sherlock provides the flexibility and tools to tackle the diverse range of applications across all industrial segments.

## Software



**iInspect Express** | Intuitive and Simple



**Sherlock** | Powerful and Flexible

## Camera Models

| Camera Model | SOFTWARE | Sensor Resolution |            |            |             |
|--------------|----------|-------------------|------------|------------|-------------|
|              |          | 640 x 480         | 1024 x 768 | 1280 x 960 | 1600 x 1200 |
| BOA          | INS      | ●●●●              | ●●●●       | ●●●●       |             |
|              | PRO      | ●●●●              | ●●●●       | ●●●●       |             |
| BOAA50       | INS      | ●●●●              | ●●●●       | ●●●●       | ●●●●        |
|              | PRO      | ●●●●              | ●●●●       | ●●●●       | ●●●●        |
| BOA200       | INS      | ●●●●              | ●●●●       | ●●●●       | ●●●●        |
|              | PRO      | ●●●●              | ●●●●       | ●●●●       | ●●●●        |

