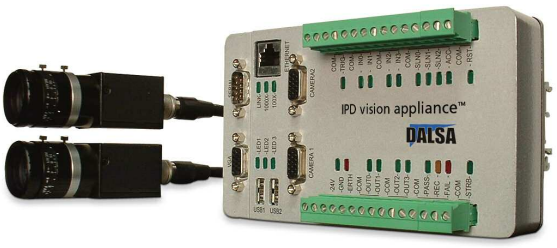
FABER INDUSTRIAL TECHNOLOGIES
(PHONE) 877- 40 FABER ✧ 877- 403 - 2237
www.faberinc.com

5 Important Reasons to Choose IPD Vision Appliances

Customers have choices when it comes to selecting a machine vision solution. In fact, with many alternatives available, it is becoming increasingly more difficult to determine the right choice for their application. As a helpful guide, below are *5 IMPORTANT REASONS* why customers select DALSA's IPD Vision Appliances for their machine vision projects.

- **DESIGNED FOR ALL USERS**
- **GREAT PRICE-PERFORMANCE**
- **CHOICE OF CAMERA**
- **COMMUNICATION FLEXIBILITY**
- **GLOBAL SUPPORT**



DALSA

www.goipd.com

1. Designed for ALL Users

Vision Appliances are equipped with two distinct kinds of user interface that cater to all levels of user, from novices to experienced vision integrators:

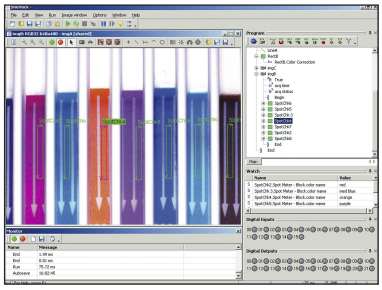
iNspect and iLabel

These “standard” inspection tools have been carefully designed to abstract the complexity of our technology. Using a simplified, 5-step process, customers with little or no knowledge of machine vision can setup and deploy a fairly complex application in short time. Each tool is fully equipped with a suite of capabilities that can be applied across a wide range of applications and industries. This allows first time users and experienced integrators alike to rapidly configure quality inspection solutions and adapt easily to product modifications or changing requirements.

iNspect is a general purpose tool that includes capabilities for position control, measurements, identification and flaw detection. iLabel is a tool specifically designed for verifying the placement and quality of labels on packaged goods.

Sherlock

This “advanced” inspection tool provides an extensive suite of preprocessors and algorithms that can be applied to almost any machine vision application. Tailored to the experienced user, Sherlock’s graphical design environment gives integrators the ability to develop complex applications rapidly, thus reducing development costs and improving time to market.



Sherlock offers the ultimate in design flexibility, including scripting, plug-in algorithms and controls to develop custom operator and 3rd party equipment interfaces.

With Sherlock, you can build a simple presence/absence sensor, or a multi-camera color inspection system with all the bells and whistles.

2. Excellent Price-Performance

The Vision Appliance product family offers customers a range of price/performance options to satisfy their current and future vision needs. Starting from the entry level IPD VA15 to the multiple camera IPD VA51 line scan system, the cost-effective and versatile product offering ensures that customers will not be limited by performance or flexibility.

Vision Appliances differ from smart cameras and sensors in that they incorporate the “smarts” inside the controller, as opposed to the camera head. This allows the control element to be positioned alongside other automation devices for efficient wiring. It also means that the camera component size can be minimized to accommodate tight-fit or moving applications.

Some Vision Appliances provide an “open” system environment, allowing customers to achieve additional cost savings and tighter integration by installing their own or other 3rd party software.

3. Choice of Camera & Image Size

The same system that uses a camera with 640x480 resolution, can also be used with high resolution 1600x1200 cameras. This means that customers do not have to replace hardware platforms, only the cameras, if their application requirements change.

Most Vision Appliances are also “multi-camera” compatible, meaning customers can attach two or more cameras to the same system. This provides excellent cost-savings in applications that require multiple views of a part.

Vision Appliances work with a range of camera types and resolutions, offering customers maximum design flexibility. Supported camera technologies include Analog, CameraLink, Firewire and GigE.

4. Communication Flexibility

Vision Appliances are well equipped to interface complementary equipment and the factory enterprise. The software tools provide standard support for discrete I/O, serial and TCP/IP connections along with Ethernet/IP and Modbus industry protocols. Vision Appliances connect directly with a variety of PLCs, robots, motion controllers and other factory floor devices.

To assist debugging and support data collection, Vision Appliances provide the ability to log results and images directly to the device or a network drive. They also provide a viewing capability to look at inspection history online. In addition, controls are provided to safeguard against unauthorized user tampering and user activity can be logged to a secure network drive.

For added convenience, Vision Appliances allow production managers to track product quality from an authorized computer attached to their local area network or tap-in remotely while they are away on business, providing their firewall allows it.

5. A Global Vision Partner

Vision Appliances are a product of DALSA Corporation, a global technology leader for the past 25 years. When customers select Vision Appliances, they are selecting a quality product and a long-term machine vision partner. DALSA offers the widest range of machine vision components in the world and is supported by a global network of Automation Solution Providers.

DALSA IPD Headquarters • 700 Technology Park Drive • Billerica, MA • 01821
Email: info@goipd.com • Tel: +1 978.670.2002 • Fax: +1 978.670.2010