

VA61

Vision Appliance



VA61

Key Features

- Cost-effective multi-camera solution
- Expandable to 4 or 8 cameras
- Ideal for color or mono applications
- Supports 2D image resolutions to 1600x1200
- Supports 1D image resolutions to 2048
- Facilitates camera cable lengths up to 100 m
- Flexible trigger and I/O options
- Pre-installed application interfaces for all levels of expertise.

Vision Capabilities

- Positioning
- Identification
- Verification
- Measurement
- Flaw Detection

Overview

Versatile Vision Controller for Multi-Camera Applications

The VA61 is a compact vision controller that interfaces with Teledyne DALSA gigabit Ethernet cameras and 3rd party equipment to provide industrial quality control solutions. Compatible with the full range of Teledyne DALSA Genie and Spyder3 cameras, the VA61 offers a cost-effective and expandable performance platform for a multitude of inspection tasks.

A benefit of gigabit Ethernet cameras is that they can be positioned up to 100 meters from the controller. This allows easier installation and provides better protection of costly control components in harsh environments. Another benefit is camera expandability. The VA61 camera ports can be configured to interface up to 4 or 8 cameras through Ethernet switches to provide extremely cost effective solutions.

Specifications

Memory	1 GB program / 80 GB Storage
2D Image Sizes	640x480 – 1600x1200 Area (mono/color)
1D Image Sizes	1024-2048 Line Scan (mono)
# Cameras	1 or 2 standard, expandable
Communication	Ethernet 10/100/1000, USB (2x2.0)
I/O	Serial RS232, Visual (7 LEDs)
Display	24V 8in/8out, 2 Triggers
User Interface	Local – standard resolutions
Power	iNspect, Sherlock or User-defined
Operating	24V @ 2.5A
Dimensions	0-45°C ambient, 0-90% humidity
Approvals	7.6x20x21.5 cm CE, RoHS

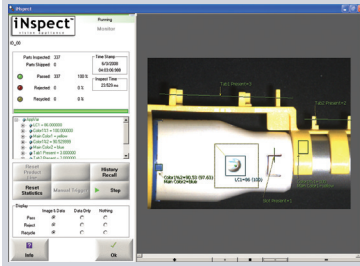
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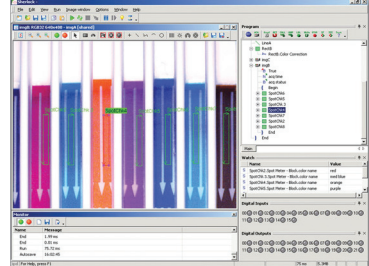
The VA61 is pre-loaded with two distinct application interfaces to cater to the differing needs and experience of end users. Each offer a comprehensive suite of tools and capabilities to satisfy a variety of applications and industries.

Both software interfaces support standard factory protocols, such as Modbus and Ethernet I/P, for connecting with complementary equipment.

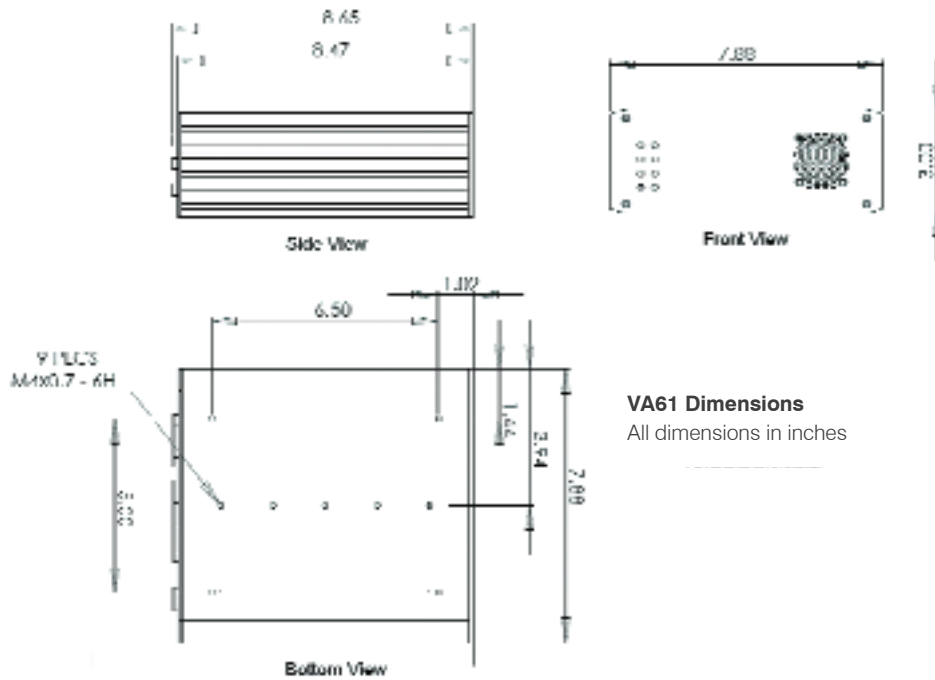
For experienced vision users or machine builders, the VA61 is available with only camera drivers to support proprietary 3rd party interfaces.



Designed for All Users
iNspec software allows users to setup and deploy vision solutions with little or no prior experience. iNspec is available in various languages such as English, Chinese, French, German, Italian Japanese and Spanish.



Designed for All Users
Sherlock software offers experienced integrators flexibility and advanced capabilities to tackle the most demanding applications. Sherlock has been deployed in thousands of applications worldwide.



www.teledynedalsa.com

Americas

Boston, USA
+1 978-670-2000
sales.americas@teledynedalsa.com

Europe

Munich, Germany
+49 8142-46770
sales.europe@teledynedalsa.com

Asia Pacific

Tokyo, Japan
+81 3-5960-6353
sales.asia@teledynedalsa.com

Shanghai, China
+86 21-3368-0027
sales.asia@teledynedalsa.com