

IPD VA40

Multi-Camera Vision Appliance



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**The Machine Vision and
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PRODUCT DATASHEET

Overview

The VA40 provides end users and system integrators with a high performance, compact machine vision solution for multiple camera inspections. This product has been designed to offer flexibility, speed and choice of camera to match your application need.

The VA40 provides multiple camera inputs that allow you to inspect different views of the same part, or even different parts, simultaneously. This integrated functionality provides a cost-effective and less complex solution than comparable smart camera implementations. In addition, the unit is compatible with different camera types that afford you flexibility in design and upgrade options as your application needs change.

Interfacing the VA40 is easy. The unit is fully equipped with industrial grade Inputs and Outputs that are broken out to removable screw terminal connectors or opto-isolation modules. Serial communication options include RS-232, USB and Ethernet for connecting into the factory network. All physical connections are located on the VA40 rear panel, with status lights available on the front.

Application setup software is preinstalled and ready to run, thus eliminating installation and revision control problems. The VA40 offers two distinct software interfaces, called iNspec and Sherlock. iNspec provides application versatility and ease-of-use, allowing you to setup and deploy a vision solution in a matter of minutes. For more complex tasks, Sherlock provides even greater flexibility and control, giving you the tools and capabilities at your fingertips to apply to almost any application. An additional benefit of the VA40 is that it supports 3rd party software. This enables you to use the VA40 to control other devices associated with the application.

Flexibility, performance, multiple cameras... with the VA40 vision appliance, integrating machine vision just got a whole lot easier!

Key Features:

- Multiple camera inspections
- No software to install
- Powerful embedded processor ensures fast inspection times
- Rugged system for online or offline inspection
- Choice of camera type and resolution
- Integrates well into factory environments
- Universal solution for end-users, integrators and machine builders



The VA40 is available in two versions, differentiated by performance. The VA40 version accepts up to 4 camera inputs, while the VA41 can accommodate 6. The VA41 has also 3X processing performance. All software is available on both versions.

FEATURES

FEATURES		VA40		VA41	
Version		Standard		Performance	
Memory	Program Storage	256MB 40GB HD		512MB 40GB HD	
Acquisition	Analog Cameras: # inputs Format Resolution Digital Cameras: # inputs Format Resolution	Progressive Scan Analog 3 Area scan 640x480 to 1375x1035 IEEE 1394a 1		3 Area Scan 640x480 to 1600x1200 (Consult factory for other options)	
Communication	USB Ethernet Serial Visual	2 x USB 1.1 10/100 Mbps		2 x USB 2.0 10/100/1000 Mbps	
		1 x RS232 7 status indicators			
Display	Local	Programmable resolution (1024x768 standard)			
I/O	Inputs Outputs	8 Single-ended 24V 8 NPN			
Software	Version Application	Standard (-03 order code) iNspect iLabel	Full (-04 order code) iNspect iLabel Sherlock	Standard (-03 order code) iNspect iLabel	Full (-04 order code) iNspect iLabel Sherlock
Power	Voltage	24 VDC +/- 5% @ 2.5A			
Environment	Operating Temp Storage Temp Relative Humidity	0-40°C		0-50°C	
		-10-85°C 5-90% (non-condensing)			
Mechanical	Material Dimensions Weight	Aluminum 7.6H x 20W x 21.5L cm 5.6 lbs, 2.5Kg			
Certification		CE			

To learn more about VA40, see our website at www.goipd.com/appliances



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