

NetSight II™

PRODUCT DATASHEET

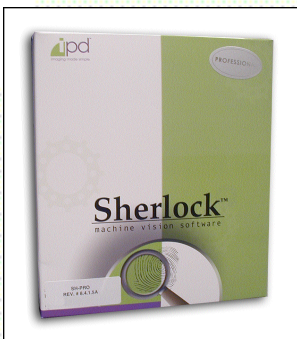
Machine Vision System

Overview

NetSight II is a compact machine vision system that can be applied to a multitude of inspection tasks across a diverse range of industries. It provides a high level of performance and flexibility at a price point rivaling traditional integrated frame grabber solutions. Even greater cost savings are realized when comparing against multiple smart camera alternatives. Neatly wrapped in an aluminum extruded enclosure, the low power NetSight II is well suited to meet your application challenge.

NetSight II systems are available in two standard configurations defined by type of camera input. For applications requiring simultaneous processing from multiple analog camera inputs, the MCA version allows you to choose the camera and resolution to match your need. For line scan applications, such as cylindrical unwrapping, or high-speed or large format imaging, the DCL version provides two asynchronous camera ports compatible with the standard Camera Link interface.

Both versions of NetSight II offer Ethernet, USB and IEEE 1394 communication interfaces. Coupled with industrial I/O capabilities, for triggering, strobing, monitoring and controlling external events, integrating NetSight II into your network or factory enterprise is made easy. In addition, our application software supports standard industrial protocols, such as Ethernet/IP and Modbus, for interfacing with complementary devices.



**Powered by
Sherlock, the
ultimate machine
vision software**

NetSight II is compatible with a range of software products. Our industry recognized application software, Sherlock™, provides the ultimate in flexibility, including inline scripting, support for custom algorithms and the ability to design the user interface.



Key Features

- Rugged system for online automated inspection
- Processes multiple image views simultaneously
- Powerful embedded processor ensures fast inspection times
- Easily integrates into factory environments, OPC compatible
- Fully configurable vision software, combines ease-of-use and flexibility with proven inspection tools
- Range of supported cameras
- Ideal solution for end-users, integrators and machine builders

Alternatively, if you wish to develop your own custom application, either with our vision libraries or your own, the low-level functions required to access the individual hardware components are exposed. With NetSight II, the choice is yours!

FEATURES**MCA****DCL**

FEATURES		MCA	DCL
Processor	Core frequency Bus speed	1.3Ghz 100MHz	1.3Ghz 100MHz
Memory	Program Cache Hard Drive Solid State Flash	256MB 256KB 40GB@5400rpm 8MB cache Option	512MB 256KB 40GB@5400rpm 8MB cache Option
Camera Ports	Standard IEEE1394	Analog 3 sync Area format VGA to Megapixel 1x400 mbps	Digital Camera Link 2 async Area or Line format Base Camera Link 1x400 mbps
Communication	USB Ethernet Serial Visual	2 x USB 1.1 10/100 Mbps 1 x RS232 7 status indicators	2 x USB 1.1 10/100 Mbps 1 x RS232 7 status indicators
Display	Local Technology Memory	XGA S3 Savage 4 32MB	XGA S3 Savage 4 32MB
I/O	Inputs Outputs	1 Trigger (TTL-24V) 7 general purpose (TTL-24V) 8 (NPN)	2 Triggers (opto/TTL-24V) 2 Encoders (opto) 8 general purpose (TTL-24V) 8 (NPN or PNP)
Software	Application Vision Libraries 3rd Party	Sherlock Sapera Processing User defined	Sherlock Sapera Processing User defined
Power	Voltage	24 VDC +/- 5% @ 2.5A	24 VDC +/- 5% @ 2.5A
Environment	Operating Temp Storage Temp Relative Humidity	0-40°C -10-85°C 5-90% (non-condensing)	0-40°C -10-85°C 5-90% (non-condensing)
Mechanical	Type Dimensions Weight	Aluminum Extrusion 7.6 x 20 x 21.5 cm 5.6 lbs. 2.5 kg	Aluminum Extrusion 7.6 x 20 x 21.5 cm 5.6 lbs. 2.5 kg
Certification		CE	CE

