

NetSight II™ M

PRODUCT DATASHEET

Machine Vision System

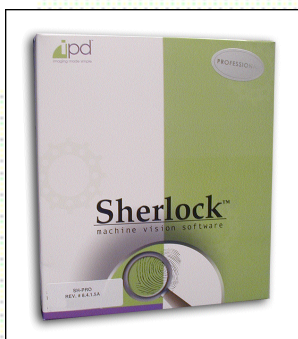
Overview

The “M” series NetSight II products provide a level of performance and flexibility that is unparalleled in a compact machine vision system. This low power, *turbocharged* system is form and fit compatible with its predecessor, but includes more features and is capable of delivering up to three times the overall performance. Fully equipped to interface the latest machine vision camera technologies, NetSight II M allows you to customize your system configuration to best suit the application and operating environment.

The cost-effective NetSight II M is available in two standard flavors that have been uniquely designed to meet your application requirements. The MCA version offers tremendous flexibility in camera input connections, from standard analog (x3), to IEEE 1394 (x3), USB (x2), and GigE inputs. System resources allow you to acquire images from different or multiple camera ports simultaneously. The sister DCL version is more specialized when it comes to camera interfacing. Based on the popular Camera Link interface standard, the DCL is well suited for applications that require line scan or large area scan format cameras. Two asynchronous Camera Link connections are available.

The advantage of NetSight II M is further highlighted by the range of software possibilities available. Our fully configurable inspection tool, Sherlock, is a powerful and flexible vision application. It gives you the tools and capabilities at your fingertips to apply to a diverse range of inspection tasks.

Widely recognized throughout the industry, with thousands of installations worldwide, Sherlock gives you a comforting feeling that it has probably been applied to an application similar to yours before.



Powered by Sherlock, the ultimate machine vision software



Key Features

- Rugged system for online or offline automated inspection
- Acquires and processes multiple image views simultaneously
- Powerful embedded processor ensures fast inspection times
- Easily integrates into factory environments
- Fully configurable vision software, combines ease-of-use and flexibility with proven inspection tools
- Broad range of supported camera types and resolutions
- Universal solution for end-users, integrators and machine builders alike

Alternatively, if you wish to develop your own custom application, either using DALSA Coreco's Sapera product or your own favorite vision library, NetSight II M provides you with the low-level functions required to access the individual hardware components. With NetSight II M, the choice is truly yours!

FEATURES
MCA
DCL

		Standard	"M" Version	Standard	"M" Version
Processor	Core frequency Bus speed	1.2Ghz 100MHz	1.6GHz 400MHz	1.2Ghz 100MHz	1.6GHz 400MHz
Memory	Program Cache	256MB 256KB	512MB to 1GB 2MB	512MB 256KB	512MB to 1GB 2MB
	Hard Drive Solid State Flash	40GB@5400rpm 8MB cache Option		40GB@5400rpm 8MB cache Option	
Camera Ports	Standard	Analog 3 sync Area format VGA to Megapixel		Digital Camera Link 2 async Area or Line format Base Camera Link	
	IEEE1394	1x400 mbps	3x400 mbps	1x400 mbps	None
Communication	USB Ethernet Serial	2 x USB 1.1 10/100 Mbps 1 x RS232	2 x USB 2.0 10/100/1000 Mbps 2 x RS232	2 x USB 1.1 10/100 Mbps 1 x RS232	2 x USB 2.0 10/100/1000 Mbps 2 x RS232
	Visual	7 status indicators		7 status indicators	
Display	Local Technology Memory	XGA S3 Savage 4 32MB	SXGA Extreme 2 64MB	XGA S3 Savage 4 32MB	SXGA Extreme 2 64MB
I/O	Inputs	1 Trigger (TTL-24V) 7 general purpose (TTL-24V)		2 Triggers (opto/TTL-24V) 2 Encoders (opto) 8 general purpose (TTL-24V)	
	Outputs	8 (NPN)		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	

