

OMNI-L

Maximum Performance Omnidirectional Scanner

Designed for High Speed Wide Conveyor Applications

Overview

RVSI Acuity CiMatrix is a world leader in the creation of one and two dimensional bar code readers and data collection systems for automatic identification in material handling and manufacturing applications. The OMni-L is a fixed position omnidirectional laser scanner for industrial applications requiring wide depth of field and conveyor coverage, and the ability to reliably read bar codes presented at any angle. It is available with 1-3 X pattern coverage and can be configured.

Features/Benefits

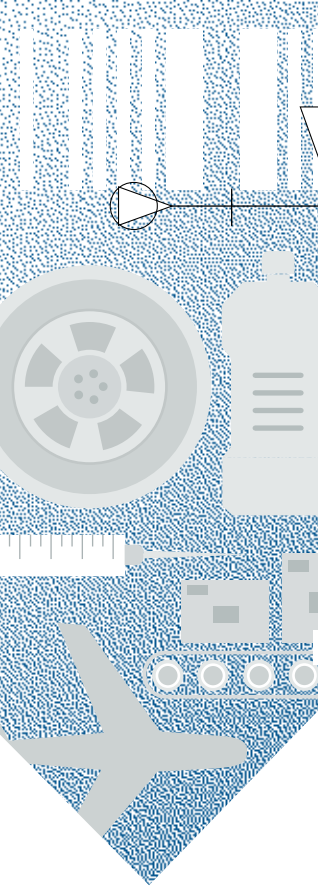
- **Advanced diagnostics with real-time monitoring of label quality, scanner and network operation - Maximizes system reliability and minimizes downtime**
- **Factory pre-configured and tested for each application - Dramatically reduces start-up time and expense**
- **"C" Programmable local I/O and communications - Eliminates the need for control PLCs and reduces data communication network operating overhead**
- **CIX® Code information extraction technology - Allows use of smaller less expensive low aspect ratio bar codes**
- **Incorporates advanced optical technology - Extended coverage and depth of field**



Applications

The OMni-L is designed for high speed, wide conveyor applications where the orientation of the bar code cannot be controlled. The OMni-L is very well suited for the most demanding complex sortation, item tracking and package handling environments. Typical applications include:

- Parcel and general merchandise distribution
- High speed sortation, command and control systems
- Packaging and order fulfillment
- E-commerce distribution



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Specifications

Physical - Scanner

- Dimensions 23 x 8.8 x 20.5 in. (585 x 521 x 224 mm)
- Weight 53 lbs.
- Case Material Painted steel
- Rating NEMA 12 (IP 51)

Physical - Interface Box

- Dimensions 13.2 x 13.2 x 3 in. (335 x 335 x 76 mm)
- Weight 13.5 lbs.
- Case Material Painted steel
- Rating NEMA 12 (IP 51)

Operational

- Laser source 2 or 4 Class L 635 nm Visible Laser Diodes
- Min Resolution 10 mil
- Max Scan Rate 525 scans/second/segment (up to 4200 scans total)
- Max Conveyor Speed 600 fpm
- Reading Area Up to 40 inches with 36 inch depth of field on a typical 20 mil bar code
- Readable codes Code 39, 128, 1 2 of 5, UPC, EAN & Codabar
- Label Types Thermal, plastic coated, any surface

Interface & Control

- Serial Ports RS232/422 Host, RS232 Set-up, RS232 Slave
- Network Ports RS485 Starnode LAN, optional Ethernet TCP/IP, DeviceNet, SDS
- Digital Inputs Up to 8 optically isolated logic inputs for photocells, height sensing and tachometer
- Digital Outputs Up to 8 open collector outputs for light trees, diverters and alarms (relays optional)
- Process Control "C" Programmable I/O and communications with optional 1 MB non-volatile ram
- Set-up Via Set-up port using CiMAX® 1400 terminal or PC with terminal emulation or CI Menu program
- Diagnostics Accessible via Set-up port, Network ports, Optional Modem, or via the Internet
- Display 10 discrete LEDs for status monitoring, Optional CiMAX® terminal with 80 character display

Environment

- Power 115/230 vac +/- 15% 50/60 hz. 1.5/.08 amps
- Operating Temp 32-122 F (0 - 45°C)
- Humidity 5 to 95% non-condensing
- Certifications/Ratings CE marked

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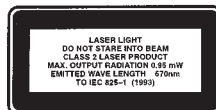
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Specifications subject to change without notice