

Ci MAX[®] 7600 series

Intelligent, High-Speed Scanner/Decoder High scan rates and wide depth of field for high speed sortation systems

Features/Benefits

- ◆ 3 Versions available - front projection, side projection and sweep raster
 - ✓ Select the model to best fit your application
- ◆ Integrated scanner and decoder
 - ✓ One piece of hardware eases installation & troubleshooting
- ◆ Up to 1200 scans/second, with a 60° scan angle
 - ✓ Accurately read bar codes on high speed conveyors
- ◆ Optical throw up to 28" and depth of field up to 36"
 - ✓ Suitable for a wide variety of installations
- ◆ Preset focal lengths from 4" to 36"
 - ✓ Factory configured to meet your application, no manual adjustments needed
- ◆ C programmable
 - ✓ Minimize post-processing of data and need for external controllers
- ◆ Starnode™ RS485-based network
 - ✓ Low-cost, expandable data communications
- ◆ Programmable digital I/O - 8 inputs/8 outputs
 - ✓ Control flexibility

- ◆ CIX (Code Information eXtraction) Technology

- ✓ Increased ability to read damaged, small or tilted labels minimizes no-reads

- ◆ Optional interface box provides power and digital I/O connections

- ✓ Ease of installation

Overview

- RVSI is a world leader in the creation of one and two dimensional bar code readers and data collection systems for automatic identification in materials handling and manufacturing applications.
- The Ci MAX[®] 7600 Series consists of three fixed position laser scanners for applications requiring high scan rates and excellent reading rates.
- The Ci MAX[®] 7600 and 7655 are designed for applications requiring maximum performance in space confined or tight places.
- The sweep raster version, Ci MAX 7655, is well suited for applications where bar code labels are not consistently positioned.
- All Ci MAX 7600 Series scanners feature an on-board processor and 16 digital I/O lines for local programmability and control.



Applications

The Ci MAX 7600 Series offers a price competitive solution with an excellent combination of scanning speed and depth of field for many conveyor scanning applications.

- ◆ Materials handling systems
- ◆ High speed sortation
- ◆ In-Process tracking and quality control
- ◆ Warehousing and order picking
- ◆ Intelligent conveyors
- ◆ Automated distribution

Performance

| | |
|----------------------------|---|
| Light Source | Class II Visible Laser Diode |
| Min. Resolution | 5 mil. |
| Max. Scan Rate | 1200 scans/second |
| Min. Reading Distance | 2.0 inches (5.1 cm) |
| Max. Reading Distance | 38.0 inches (96.5 cm) |
| Max. Depth of Field | 36.0 inches (91.4 cm) |
| Scan Angle | 60 degrees |
| CiMAX 7655 Sweep Height | 2.5" at 8" - Reduced Sweep Version 4" at 8" - Standard Sweep Version |
| CiMAX 7655 Sweep Frequency | 5 to 20 Hz |

**Actual operational specifications are optimized for each application during factory configuration*

Symbologies

| | |
|----------------|--|
| Readable Codes | Code 39, Code 128* , I 2 of 5, UPC, EAN & Codabar |
|----------------|--|

Interfaces

| | |
|-----------------|---|
| Digital Inputs | 8, 30 VDC max. |
| Digital Outputs | 8, 30 VDC at 150 mA max. |
| Status LEDs | 6, monitor power, operations and communications |

Communication

- 1 Asynchronous serial host port - RS-422 or RS-232
- 1 Asynchronous serial terminal port - RS-232
- 1 LAN port with Starnode protocol - RS-485

Set-up and Diagnostics

Via Terminal port using CiMAX 1400 or PC

Process Control

32-bit processor with 256K non-volatile RAM programmable in C language

Physical Features

| | | |
|---------------|------------|---|
| Dimensions | CiMAX 7600 | 3.3"W x 4.5"L x 5.75"H (84 x 115 x 146mm) |
| | CiMAX 7650 | 3.78"W x 7.0"L x 5.70"H (96 x 178 x 145mm) |
| | CiMAX 7655 | 3.78"W x 7.0"L x 5.70"H (96 x 178 x 145mm) |
| Weight | | 3.5 lb. (1.6 kg) for the CiMAX 7600 |
| Case Material | | Epoxy Powder Coated Aluminum, NEMA-12 dust tight and drip proof |

Environment

| | |
|-----------------------|---------------------------|
| Power | 12 VDC 6 5%, 1.5A |
| Operating Temperature | 32° to 122°F (0° to 50°C) |
| Humidity | 5% to 95% non-condensing |
| Protection | NEMA 12 / IP51 |
| Approvals | CE |

Specifications subject to change without notice.

*RVSI is the Inventor



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