

CiMAX® 7500A/7550A

Intelligent, Networked Integral
Scanners/Decoders

High scan rates for high-speed sortation systems

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 materials handling and manufacturing applications.

The CiMAX® 7500A and 7550A is an intelligent fixed position laser scanner for applications requiring high scan rates and excellent reading rates. An on-board processor allows for local programmability and control. The CiMAX 7500A and 7550A has an optional Ethernet interface enabling distributed, networked processing.

Features/Benefits

- Integrated scanner and decoder
- Up to 1800 scans/second
- Optical throw up to 28", 60° scan angle
- Preset focal lengths from 4" to 36"
- "C" programmable
- Starnode™ or optional Ethernet interface
- Programmable digital I/O - 8 inputs/8 outputs
- CIX® (Code Information eXtraction) Technology
- Ease of installation & troubleshooting
- High throughput & reading reliability
- Adapt to a variety of installations
- Factory configured to meet your application
- Minimize post-processing of data and need for external controllers
- Open architecture, connect to factory network
- Control flexibility
- Increased ability to read damage, small or tilted labels
- SDS and DeviceNet™ connectivity

Applications

The CiMAX 7500A and 7550A offers an excellent combination of scanning speed and depth of field for moderate width conveyor scanning applications.

Typical applications include:

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



CiMAX 7550A (Front)



CiMAX 7550A (Back)

CiMAX 7500A/7550A

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Specifications

Physical

- Dimensions (7500A) 4.31"W x 4.5"L x 5.75"H (110 x 115 x 159mm)
(7550A) 4.31"W x 7.0"L x 5.75"H (110 x 178 x 159mm)
- Weight (7500A) 3.5 lbs. (1.6 kg)
(7550A) 4.40 lbs. (2.02 kg)
- Case Material (7500A and 7550A) Epoxy Powder Coated Aluminum, NEMA-12 dust tight and drip proof

Operational*

- Light Source Class II Visible Laser Diode
- Min. Resolution 8 mil.
- Max. Scan Rate 1800 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
- Readable Codes Code 39, 128, 1 2 of 5, UPC, EAN & Codabar, 93

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

Interface/Control and Communications

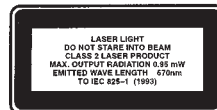
- Digital Inputs 8, 30 VDC max.
- Digital Outputs 8, 30 VDC at 150 mA max.
- Communications 1 Asynchronous serial host port - RS-422 or RS-232
1 Asynchronous serial terminal port - RS-232
1 LAN port with Starnode protocol - RS-485
1 Ethernet port 10 base 2 connection (optional)/SDS/DeviceNet™
Via Terminal port using CiMAX® 1400 or PC
32-bit processor with 256K/1MB non-volatile
RAM programmable in C language
- Set-up and Diagnostics
- Process Control

Environment

- Power 12 VDC 6 5%, 1.5A
12 VDC 6 5%, 1A, 5 VDC 6 5%, 1A
(if Ethernet installed)
- Operating Temperature 32° to 122°F (0° to 45°C)
- Humidity 5% to 95% non-condensing
- Protection NEMA 12 / IP65
- Approvals CE

Options

- CIX® Technology
- Ethernet Interface - 16 side polygon discrete raster
- Interface Box with provisions for isolation and connections to Opto-22 style solid state relays



Specifications subject to change without notice

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CIMAX 7500A 06/00 5M

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