

LHA 212x SERIES

FEATURES

- 200 scans per second
- 16-Bit microprocessor operation
- Integrates easily into new equipment
- Compact size fits almost anywhere
- 100% solid state design provides performance and reliability
- Fully programmable
- RS232 or RS422 interface



MINIATURE CCD FIXED POSITION SCANNER

LHA 212x fixed position CCD scanners are high-speed microprocessor controlled devices designed to be easily integrated into any new product design. The small size and optional optical (front or side view) configurations allow the scanner to fit into tight spaces.

Operating on 5 VDC power, these scanners automatically recognize and decode all of the most popular bar code symbologies and transmit the decoded data using RS232C communications to the host device. 16-Bit microprocessor operation allows the user to easily program parameters in order to match the scanner to the specific application.

A rugged steel enclosure protects the optics and electronics from dirt and other environment hazards as well as enhances ESD and EMC protection. The standard configuration comes with a 6-ft. cable, terminated in a 25-pin female D-shell connector.

Custom cable lengths, connector types and pinouts are available. Units are also available without enclosures, as modules.

The scanner has no moving parts. The 100% solid state design assures continuous performance and enhances reliability. The linear CCD array contains 2048 elements, allowing the scanner to read poor quality or dimly lit bar codes.

"I recommend
Opticon products
because they
hold up really
well over time."

OUR PROMISE

At Opticon, our mission is to provide bar code scanning products that are easy to use, built-to-last, fit your exact requirements and are supported by an experienced, responsive team of professionals. We believe that accomplishing our mission is dependent upon operating with a set of important core values—Passion, People, Creativity and Teamwork. All our employees work to understand and apply these values in everything that they do.

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MINIATURE CCD FIXED POSITION SCANNER

OPTICAL

Light Source	Red LEDs, 660 nm
Image Sensor	CCD: 2048 pixels
Scan Rate	200 scans/sec.
Min resolution	0.15 mm at PCS 0.9
Min PCS values	0.45

ELECTRICAL

Operating Voltage	5 VDC \pm 10%,
Current	
Operating	40 mA typ., 80 mA max.
Standby	15 mA max.
Surge	1.5 A (0.75A, 25 μ s)
Interface	RS232 or RS422

ENVIRONMENTAL

Temperature	
Operating	0 to +50° C (+32 to +122° F)
Storage	-20 to +60° C (-4 to +140° F)
Humidity (non-condensing)	
Operating	20 to 80%
Storage	20 to 95%
Regulatory	CE Certified, FCC Class A, ISO9002 certified mfg. facility

PHYSICAL

Case Material	Steel
Dimensions	(L x W x H)
Front View	74 x 68 x 26 mm (2.9 x 2.7 x 1.0 in)
Side View	76 x 68 x 27.4 mm (3.0 x 2.7 x 1.1 in)
Weight	250 g (8.8 oz)
Standard connector	DB25 - Female

ORDERING INFORMATION

Part Number	View
LHA2126RR15-032	Side View
LHA2127RR15-032	Front View
LHM2127RR15-032	No Case

Alternate connectors and pinouts are available to match your application. Ask for details.

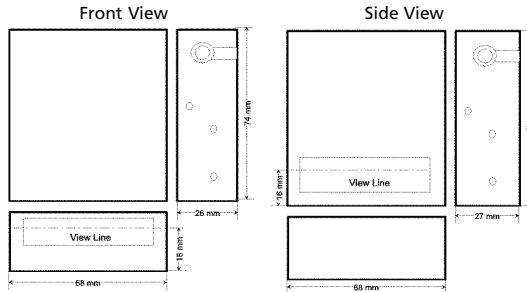
PINOUTS

Pin	Function
1	Frame Ground
2	RD
3	TD
4	CTS
5	RTS
7	Signal Ground
16	Trigger
25	+5 V

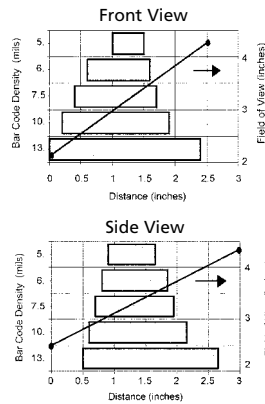
SYMBOLOGIES

Codabar (NW-7)
Code 39
Code 93
Code 128
Standard 2of5
Interleaved 2of5
MSI/Plessey
UPC, EAN, JAN

GENERAL MECHANICAL LAYOUT



READING RANGE



WARRANTY

Opticon fixed position CCD scanners are warranted for a period of seven (7) years, including parts and workmanship. Visit our web site for details.

TECHNICAL SUPPORT / SALES

Opticon's experienced, well trained technical support team is available to answer questions and assist you in every way possible in support of our products. Call today to find out how the scanner can be adapted to your design: 800.636.0090, or visit our web site at www.opticonUSA.com.

25-DLHAR101-01 Rev A
Specifications subject to change without prior notice.



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