ACCULAZR™ AL5010

DATALOGIC



AL5010 is a high performance industrial laser scanner with cutting edge integrated control technology meeting the demands of existing and new automated facilities.

Excellent Performance

Using multiple lasers, the **AL5010** is the only product in its class to use simultaneous scanning technology with a two laser design to aggressively read low grade barcodes over the largest scan area. With 1200 scans per second, the **AL5010** can support applications with very high transport speeds or small bar codes. With DRX bar code reconstruction technology, tilt angle can be increased for reading damaged or misplaced labels.

Ease of Use

The integrated touch button display technology quickly provides information on network connectivity, barcode reading quality, errors, trigger, and transmittal of information to the host. The five LED bargraph provides a quick and simple way to determine the reading performance without using external computers or terminals. Using the upload or download buttons, the settings of the scan head can be uploaded or downloaded with a simple touch of one button. This functionality allows for hot swappable scan head replacement or when quickly installing many scanners at the same time.

Remote Access

With an integrated web server and on-board TCP/IP, the IP address of the scanner can be accessed directly or remotely. The web pages are designed for simple and intuitive setup and monitoring of the system using a simple web browser. Advanced HTML5 is also present, allowing devices such as the iPhone or iPad to connect to the device directly using the same protocol as internet web pages. Screens have been optimized for the iPhone to allow for immediate access to the detailed performance of the system, dramatically reducing the time to troubleshoot any problems.

Industrial Features

With its rugged construction, IP65 protection class, 50° C max operating temperature and internal oscillating mirror, the **AL5010** is purpose built for the most demanding industrial environments. The basic and enhanced wiring boxes are integrated and protected, allow fast and simple installation without additional cables.



HIGHLIGHTS

 Largest depth of field of any mid-range laser barcode reader on the market

- PackTrack[™] advanced tracking allows closer package spacing while maintaining package ID
- Integrated web server with monitoring support for iPhone and IPads
- Multi-language integrated GUI
- Easy 'plug and play" replacement
- Flexible connectivity with onbaord EtherNet/IP, Ethernet TCP/IP
- Reliability > 50,000 hours MTBF at 25°C
- No maintenance

APPLICATIONS

- Automated warehousing
- Picking systems
- Pallet reading
- Label print and apply verification
- Automated shop floor
- Item and part tracking
- Manufacturing process control systems

ACCULAZR[™] AL5010

DATALOGIC

TECHNICAL DATA

Dimensions Weight Case material Operating temperature Storage temperature Humidity Protection class Scanning speed Max. Resolution Max. Reading distance Max. Depth of field Aperture angle Oscillating mirror range Readable codes Multilabel reading

Communication interfaces

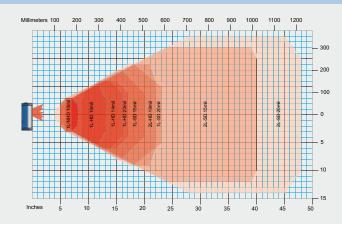
Device programming Input / output signals Power consumption Power supply Laser type

H 104 x W 130,8 x D 49,9 mm (4.10 x 5.15 x 1.96 in) Mounting Base: 0.25-0.34 kg [0.56-0.75 lb] + Scan Head: 0.45 kg [1.0 lb] Powder Coated cast aluminum, high impact plastic 0 to 50 °C (32 to 122 °F) -20 to 70 °C (-4 to 158 °F) 90% non condensing IP65 Up to 1200 scan/s software selectable Up to 0.18 mm (7 mils) Up to 1200 mm (48 in) on 0.50 mm (20 mils) barcodes Up to 838.2 mm (33 in) on 0.50 mm (20 mils) barcodes 60 degrees +/- 20 degrees All standard 1D symbologies Up to 10 different symbologies during the same reading phase On board EtherNet/IP, Ethernet TCP/IP, Serial RS232/RS422, DeviceNet, Profibus (See Basic and Enhanced Interface Module Specification) On board HTML/HTML5 Web Server interface 4 programmable I/O relays <25 W 12-30 VDC Visible Laser Diode 650nm (Class 1)

iPHONE USER INTERFACE



READING DIAGRAM



MODELS

ORDER NO.	DESCRIPTION	
1000067750	AL5010: 1 LASER STANDARD DENSITY	
1000067751	AL5010: 1 LASER HIGH DENSITY	
1000067752	AL5010: 1 LASER HIGH DENSITY NEAR FOCUS	
1000067753	AL5010: 2 LASER STANDARD DENSITY	
1000067754	AL5010: 2 LASER HIGH DENSITY	
1000071183	AL5010: 2 LASER HIGH DENSITY HI/STD DENSITY, NEAR FOCUS	
Contact a sales representative for oscillating mirror models		

ve for oscillating

ACCESSORIES

ORDER NO.	DESCRIPTION
0111623001	AL5010 MOUNTING BASE WITH INTEGRATED 1 METER CABLE
0111623002	AL5010 MOUNTING BASE WITH INTEGRATED 3 METER CABLE
0111631001	BASIC INTERFACE MODULE: TRIG, ETHERNET, (1) SERIAL PORT
0111633001	ENHANCED INTERFACE MODULE: TACH, TRIG, ETHERNET, (2) Serial Ports, (4) I/O
0111633002	ENHANCED INTERFACE MODULE: TACH, TRIG, ETHERNET, (2) Serial Ports, (4) I/O, DEVICENET
0111633003	ENHANCED INTERFACE MODULE: TACH, TRIG, ETHERNET, (2) Serial Ports, (4) 1/0, PROFIBUS



Automated Warehousing



Pallet Scanning



Picking System