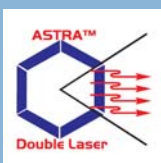
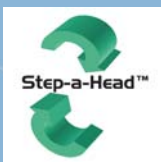


DS6500

High Performance Laser Scanner



General Description

The new **DS6500** is an industrial fixed position barcode reader designed mainly for AutoID needs in Transportation and Logistics applications.

The **DS6500** is based on the same concept of the DS6300 and DS6400: a complete and modular solution in terms of reading performance, connectivity, ease of use and maintenance. The innovative mechanical design, with the scanner separated in two parts, the reading head and decoder base makes it possible to always install the scanner in the ideal position, by simply rotating the Head / Base position ("Step-A-Head").

The **DS6500** inherits ASTRA™ technology from the DS8100, making it possible to electronically switch the laser diodes, depending on the distance from the barcode. The real time DOF offered by the **DS6500** covers a wide set of applications, from stand alone to multiside tunnels on conveyors.

The **DS6500** is offered both in linear and integrated OM versions, which are fully SW controlled.

The practical display with keyboard increases the scanner's ease of use and offers a simple human interface without the need of a PC.

The **DS6500** shares the same decoder base with the DS6300 and DS6400, with built-in connectivity to Ethernet, Devicenet and Profibus.

With the GENIUS™ program, it's easy to setup the scanner and to perform functions such as remote control and SW updates on any slave scanner of the cluster by simply connecting the Master.

Features

- > ASTRA™ 2 diode optic platform
- > Real time DOF
- > Reading range from 400 to 1800 mm
- > Strong Arm decoder with code reconstruction capability (ACR3)
- > Linear and integrated OM versions
- > Display and keyboard
- > GENIUS™ SW configurator
- > Built-in connectivity to Ethernet / Devicenet / Profibus
- > PackTrack™ function

Applications

- > Tracking and sorting of parcels
- > Baggage Handling System applications
- > Multiside reading on conveyors

Specifications**ELECTRICAL CHARACTERISTICS**

| | |
|-------------------|--------------|
| POWER SUPPLY | 15 to 30 Vdc |
| POWER CONSUMPTION | 15 W max. |

MECHANICAL CHARACTERISTICS

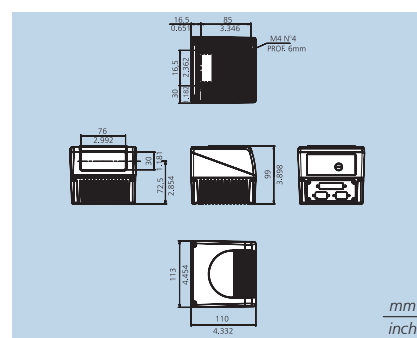
| | |
|---------------|---|
| DIMENSIONS | 113 x 110 x 99 mm (4.45 x 4.33 x 3.90 in.) |
| WEIGHT | Linear version: 1.4 kg (3 lb) Integrated OM version: 2.0 kg (4 lb, 8 oz) |
| CASE MATERIAL | Aluminium |

PERFORMANCE

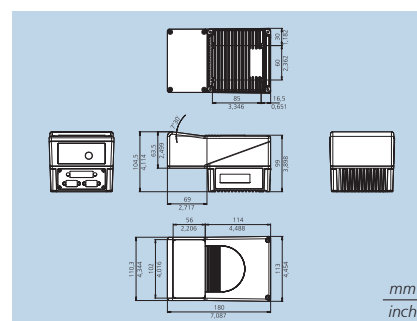
| | |
|----------------------------|--|
| LIGHT SOURCE | Visible Laser Diode (650 nm) |
| MAX. RESOLUTION | 0.25 mm (8 mils) |
| SCAN RATE | 600 to 1,200 scan/s (SW adjustable) |
| MAX. READING DISTANCE | see diagrams |
| MAX. DEPTH OF FIELD | see diagrams |
| MAX. READING FIELD | see diagrams |
| READABLE CODES | All most used symbologies |
| MULTILABEL READING | Up to 10 different codes in the same reading phase |
| MAIN INTERFACE | RS232 / RS485 (20 mA C.L. optional) |
| AUXILIARY INTERFACE | RS232 / RS485 (20 mA C.L. optional) |
| OTHER AVAILABLE INTERFACES | Lonworks (Master/Slave), Ethernet, Devicenet, Profibus |
| BAUD RATE | 2,400 to 115,200 bauds |
| INPUT SIGNAL | 'Presence sensor' plus 3 auxiliary digital inputs |
| OUTPUT SIGNALS | 3 SW programmable digital outputs |
| OPERATING MODES | 'On line', 'Serial On line', 'Continuous', 'Test', 'PackTrack' |
| DISPLAY | 2 lines by 16 characters LCD |
| KEYPAD | 3 keys |
| LED INDICATORS | 'Power ON', 'Phase ON', 'TX data' |
| LASER CLASSIFICATION | IEC 825 Class 2 |
| LASER CONTROL | Security system to turn laser OFF in case of motor slow down |

ENVIRONMENT

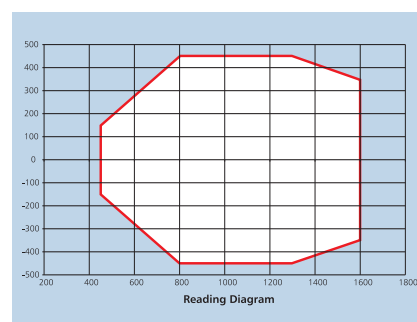
| | |
|-----------------------|---|
| OPERATING TEMPERATURE | 0 to 40 °C (32 to 104 °F) |
| STORAGE TEMPERATURE | -20 to 70 °C (-4 to 158 °F) |
| PROTECTION CLASS | IP64 for standard models; IP65 on request |

**Dimensions**

Linear version



Integrated OM version

Reading Diagrams

Linear model for 0.5 mm (20 mils) resolution codes

