



# DS6300

## High Performance Laser Scanner

### FEATURES

- New Step-a-Head™ feature
- New "2-step" optic
- Reading range from 250 to 2,000mm
- StrongArm decoder with code reconstruction capability (ACR3)
- Good reading performance on very low contrast bar codes
- Display and keyboard
- New GENIUS™ SW configurator

### APPLICATIONS

- Shop Floor, Data Collection and WIP Tracking in Manufacturing: Automotive, Electronics, Consumer Products
- Picking, Sorting, Tracking in Warehousing and Distribution

### GENERAL DESCRIPTION

The new Datalogic **DS6300** is an industrial fixed positioned bar code reader specifically designed for the needs of the manufacturing market.

With the **DS6300**, Datalogic introduces a new family of industrial readers, designed to offer a complete and modular solution in terms of reading performance, connectivity, ease of use and maintenance.

A completely new HW and SW platform has been developed as well as an innovative mechanical design. The Step-a-Head™ feature makes it possible to rotate the reader head and the decoder base independently from each other. As a result of Step-a-Head™, the **DS6300** can always be installed in the ideal position. It is possible to change the orientation of the connector panel while the laser window remains in the desired position: this minimizes the need for space and makes the installation phase easier.

The **DS6300** has a new "2-step" mechanically adjustable focusing optic, providing the scanner a reading range from 250mm to 2,000mm. The reading field width at the min distance and the reading performance on very low contrast bar codes are among the main benefits of the new **DS6300**. The **DS6300** will also be offered with an integrated SW programmable oscillating mirror and built-in connectivity to Profibus, Devicenet and Ethernet.

The new GENIUS™ SW configurator enables easy scanner setup, utilizing a Wizard for obtaining the desired configuration in a simple step-by-step process. The icons and graphics used in the Wizard make the **DS6300** a very easy to install scanner, even for first time users.

With the **DS6300**, Datalogic introduces a new category of mid-range industrial bar code readers with top-class performance. As a result, the **DS6300** is the optimal solution for the wide range of manufacturing applications both in the factory floor and the warehouse.



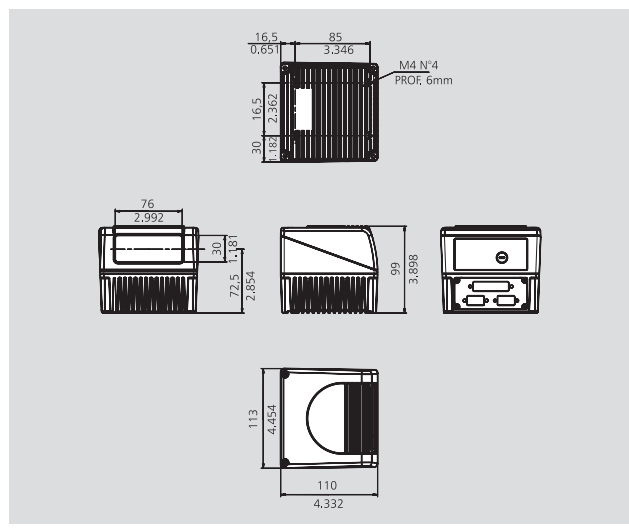
## MODELS AND ACCESSORIES

PRODUCT	DESCRIPTION	ORDER NO.
DS6300-100-010	2 step focus, linear, Master/Slave	931351010
DS6300-100-011	2 step focus, linear, M/S + Profibus	931351020
DS6300-100-012	2 step focus, linear, M/S + Ethernet	931351030
DS6300-100-015	2 step focus, linear, M/S + Devicenet	931351040
DS6300-105-010	2 step focus, integrated OM, Master/ Slave	931351060
DS6300-105-011	2 step focus, integrated OM, M/S + Profibus	931351070
DS6300-105-012	2 step focus, integrated OM, M/S + Ethernet	931351080
DS6300-105-015	2 step focus, integrated OM, M/S + Devicenet	931351090
ACCESSORIES	DESCRIPTION	ORDER NO.
C-BOX 100	Passive connection box	93ACC1510
GFC-60	90 degrees mirror new fam. 6000	93A201100
FBK-6000	Fast brackets kit (2 pcs)	93ACC1721
BTK-6000	Terminator kit for new fam 6000 (5 pcs)	93ACC1710
PG6000	Single unit power supply new fam. 6000	93ACC1720
CAB-6001	Cable new fam. 6000 to C-BOX 100 1m	93A051190
CAB-6002	Cable new fam. 6000 to C-BOX 100 2m	93A051200
CAB-6005	Cable new fam. 6000 to C-BOX 100 5m	93A051210
CAB-6101	Cable M.Slave new fam. 6000 1m	93A051220
CAB-6102	Cable M.Slave new fam. 6000 2m	93A051230
CAB-6105	Cable M.Slave new fam. 6000 2m	93A051240

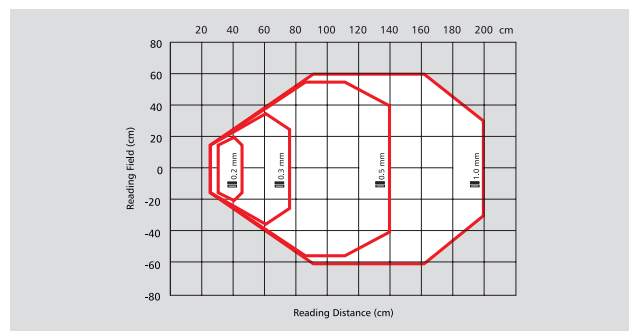
## SPECIFICATIONS

POWER SUPPLY	10W
LIGHT SOURCE	650 nm
LIGHT RECEIVER	Avalanche photodiode
MAX. RESOLUTION	0.2 mm (8 mils)
SCANNING SPEED	600-1,200 scans per second (SW adjustable)
READABLE CODES	The most popular symbologies
MAIN INTERFACE	RS232/RS485 (20mA C.L. as option)
AUX INTERFACE	RS232
OTHER AVAILABLE INTERFACES	Lonworks (Master/Slave) Ethernet Devicenet Profibus
BAUD RATE	1,200 to 115,200 bauds
INPUT SIGNALS	'Presence sensor' and 3 auxiliary digital inputs
OUTPUT SIGNALS	3 SW programmable digital outputs
OPERATING MODES	'On Line', 'Serial On Line', 'Data Collection', 'Test'
DISPLAY	2 line 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
DIMENSIONS	113 x 110 x 99 mm
WEIGHT	1.3Kg (2lb 14 oz)
CASE MATERIAL	Aluminium
OPERATING TEMPERATURE	0 to 40°C (32 to 104 °F)
STORAGE TEMPERATURE	-20 to 70 °C (-4 to 158 °F)
PROTECTION CLASS	IP65

## DIMENSIONS



## READING DIAGRAM



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We reserve the right to make modifications and improvements

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