



DS2100

High performance ultra compact laser scanner

FEATURES

- Up to 800 scans per second
- Ambient light immunity by high frequency laser light modulation
- Real time decoding with new generation powerful RISC processor
- Easy set-up through **WINHOST™** configuration software
- Direct or 90° reading window position
- IP65 rugged industrial housing

APPLICATIONS

- Packaging machines
- Automatic teller machines
- Access control
- Small conveyor sorting
- Automatic picking systems
- Process control
- High speed document handling

GENERAL DESCRIPTION

Innovation and speed. These are the simple but powerful ingredients combined to ensure that the **DS2100** laser scanner satisfies the most advanced needs of a wide range of users, from OEMs to industrial and materials handling operators.

The **DS2100** has been developed focusing on the realistic requirements of its target markets, and the outstanding result is an extremely compact, cost effective and easy to use industrial scanner.

Excellent reading capabilities are assured by a new generation of decoders, based on a powerful RISC microprocessor. The decoder guarantees real time reading, while Datalogic decoding software assures reliable decoding of all popular symbologies.

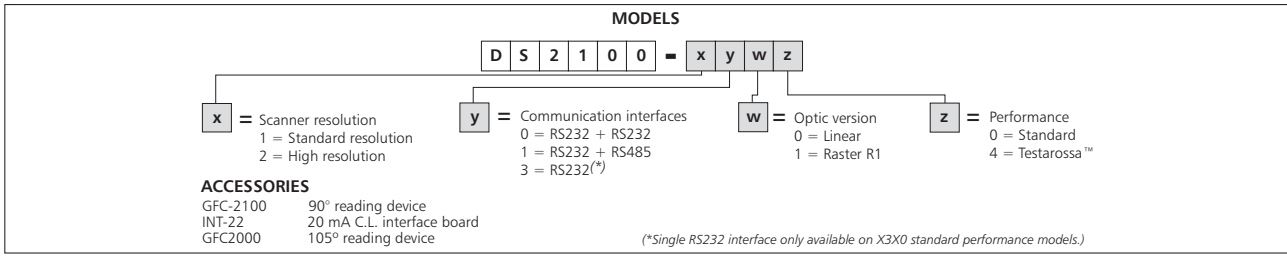
Installation is extremely easy and versatile thanks to the **DS2100** ultra compact size, and to the choice of different reading window positions, direct and 90°.

The set-up procedures are completely controlled by **WINHOST™**, a simple and user-friendly Windows based configuration program, while the most severe working conditions are not a problem thanks to the rugged IP65 industrial housing.

The **DS2100** is available in a wide range of models with a scalable offer which satisfies every requirement with a tailored solution.

The **DS2100** Standard version features 350 scans/s and is available with a single or double serial interface, while the **DS2100 Testarossa™** version features a max. scan speed of 800 scans/s and the unique characteristic of ambient light immunity.

MODELS AND ACCESSORIES

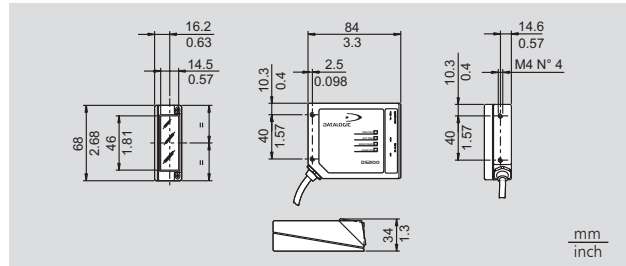


SPECIFICATIONS

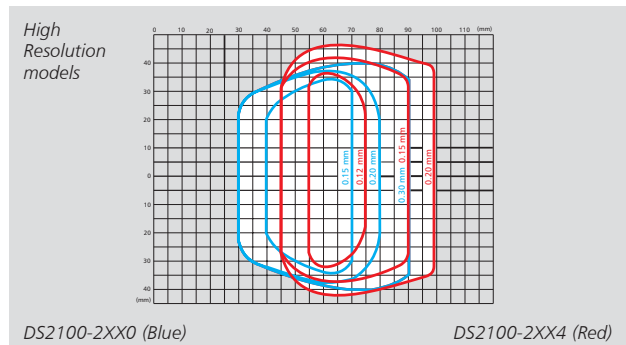
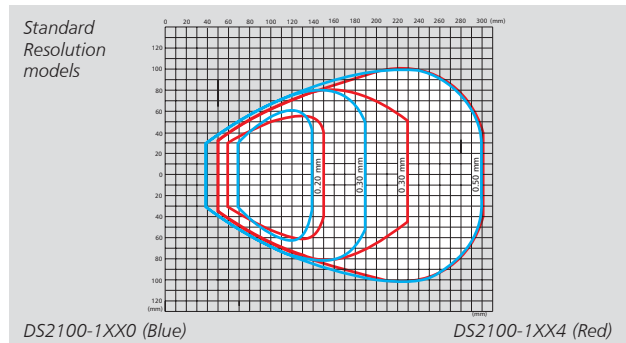
POWER CONSUMPTION	3 W (XXX0 models); 4 W (XXX4 models)
MAX. RESOLUTION	0.20 mm (8 mils) (1XXX models); 0.15 mm (6 mils) (2XX0); 0.12 mm (5 mils) (2XX4)
SCANNING SPEED	350 scan/s (1XX0 models); 800 scan/s (1XX4); 600 scan/s (2XX4)
MAX. READING DISTANCE	300 mm (11.8 in) (1XX0 models) 90 mm (3.5 in) (2XX0); 100 mm (3.94 in) (2XX4)
MAX. DEPTH OF FIELD	260 mm (10.0 in) (1XX0); 60 mm (2.4 in) (2XX0); 250 mm (10 in) (1XX4); 55 mm (2.2 in) (2XX4)
COMMUNICATION INTERFACES	RS232 + RS232 (X0X0 models); RS232 + RS232 (X0X4 models) RS232 + RS485 (X1X0 models); RS232 + RS485 (X1X4 models); Single RS232 (X3X0 models)
CONNECTOR	25 pin D-Sub female connector (X0X0 and X1X0 models) 9 pin D-Sub connector (X3X0 models)
POWER SUPPLY	10 to 30 VDC (5 VDC optional)
LIGHT SOURCE	Visible laser diode (630 to 680 nm)
APERTURE ANGLE	60°
READABLE CODES	Most popular types including 2/5 family, Code 39, Code 93, Code 128, EAN/UPC, Codabar, EAN 128, Pharmacode
MULTILABEL READING	Up to 6 different codes in the same presence sensor phase
BAUD RATE	Up to 115.2 Kbaud on both serial ports
INPUT SIGNAL	'External trigger' (Optocoupled NPN/PNP transistor)
OUTPUT SIGNALS	2 SW programmable optocoupled NPN transistors (except X3X0 models)
PROGRAMMING METHOD	Via serial port (WINHOST™)
OPERATING MODES	'On line', 'Serial on line', 'Automatic', 'Test', 'Verifier'
LED INDICATORS	'Power/TX', 'Laser On', 'Good Read', 'External Trigger'
LASER CLASSIFICATION	IEC 825 Class 2
LASER CONTROL	Security system to turn laser off in case of motor slow down or failure
WEIGHT	300 g (10.3 oz)
CASE MATERIAL	Aluminium
OPERATING TEMP.	0 to 40 °C (32 to 104 °F)
STORAGE TEMP.	-20 to 70 °C (-4 to 158 °F)
HUMIDITY	90% non condensing
VIBRATION RESISTANCE	IEC 68-2-6 test FC 1.5 mm; 10 to 55 Hz; 2 hours on each axis
SHOCK RESISTANCE	IEC 68-2-27 test EA 30 G; 11 ms; 3 shocks on each axis
PROTECTION CLASS	IP65



DIMENSIONS



READING DIAGRAMS



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We reserve the right to make modifications and improvements

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