LS2200
Ultra Compact Laser Scanner

Features

- Scanning speed up to *2,000 scans/sec*
- Very High density code reading (up to 0.076 mm, 3 mils)
- Ultra compact dimensions 50x40x28 mm (1.97x1.57x1.10 in)
- Lightweight 150 g (5.29 oz)
- 4 status LEDs
- IP65 rugged industrial housing

Applications

- High speed
  - Document handling machines
  - Packaging machines
  - Printing verification

General Description

OEMs have been searching for a device able to solve the fastest applications on the market.

Datalogic's **LS2200** overcomes today's speed limits by performing up to *2,000 scans/sec*, more than twice as the average of actual scanners.

In addition to this amazing feature, **LS2200** integration into automated equipment is very easy thanks to its miniature dimensions and light weight.

The **LS2200** can adapt its gain and digitizer parameters, thus improving scanning performance on very high density codes (up to 0.076 mm, 3 mils). It is also possible to select a different speed to scan damaged or poorly printed barcodes, getting better reading results.

High reliability, cost effectiveness, great scanning performance, along with industrial quality standards are additional winning points for OEM manufacturers who choose the **LS2200** to improve their machine performance.

The **LS2200** can be connected to all Datalogic industrial decoders.
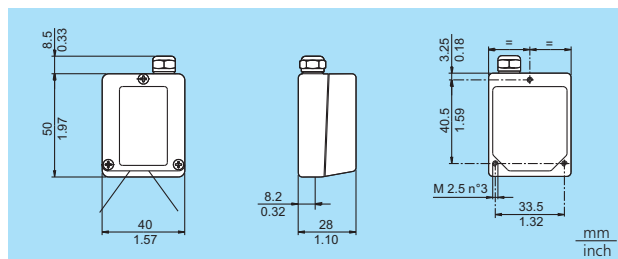
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Models and Accessories

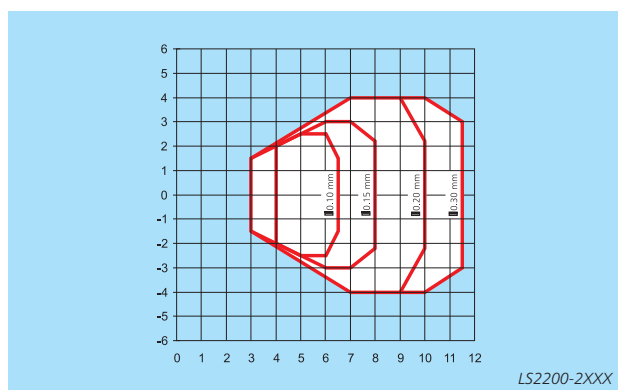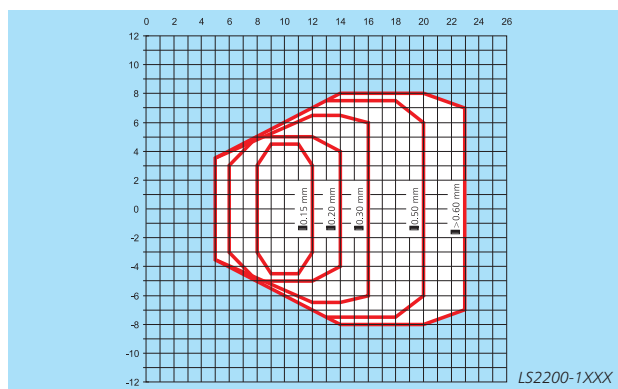| MODEL	DESCRIPTION	ORDER NO.
LS2200-1000	Standard resolution, linear	930111000
LS2200-1010	Standard resolution, raster R1	930111010
LS2200-2000	High resolution, linear	930111020
LS2200-2010	High resolution, raster R1	930111030

Specifications

POWER SUPPLY	10 ÷ 30 VDC
POWER CONSUMPTION	2 W
LIGHT SOURCE	Visible laser diode (650 nm)
MAX. RESOLUTION	1xxx models 0.15 mm (6 mils) 2xxx models 0.10 mm (4 mils) (up to 0.076 mm, 3 mils)
MAX. READING DISTANCE	
1xxx models	230 mm (9.1 in) on 0.60 mm (24 mils) code resol.
2xxx models	115 mm (4.5 in) on 0.30 mm (12 mils) code resol.
MAX. DEPTH OF FIELD	
1xxx models	180 mm (7.1 in) on 0.60 mm (24 mils) code resol.
2xxx models	85 mm (3.7 in) on 0.30 mm (12 mils) code resol.
APERTURE ANGLE	60 degrees (8 mirrors rotor)
RASTER APERTURE	15 mm (0.6 in) at 230 mm (9.1 in) for XX1X models
SCANNING SPEED	1,000 scans/sec standard (Up to 2,000 scans/sec)
INPUT SIGNALS	Scanning speed selection (Half/Full) digital input Code Density Optimization (High/standard) digital input Scanner Power (On/Off) digital input
LED INDICATORS	'Hi-Res', 'Laser On', 'Good Read', 'Power On'
LASER CLASSIFICATION	IEC 825-1 Class 2; CDRH Class II
LASER CONTROL	Security system to turn laser off in case of motor slow down or failure
DIMENSIONS	50 x 40 x 28 mm (1.97 x 1.57 x 1.10 in)
WEIGHT (without cable)	150 g (5.29 oz)
CASE MATERIAL	Die-cast zinc
OPERATING TEMPERATURE	0 to 40 °C (32 to 104 °F)
STORAGE TEMPERATURE	-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

LS2200-1XXX

LS2200-2XXX

DATALOGIC DL
Bar Code & More

We reserve the right to make modifications and improvements

Datalogic Quality Partner

These products are available through the worldwide network of Datalogic Quality Partners.

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