Applications

- Ultra compact dimensions: 50 x 40 x 28 mm (1.97 x 1.57 x 1.10 in)
- Lightweight: 150 g (5.29 oz)
- New generation built-in real-time RISC decoder
- Scanning speed of 500 scans/sec
- Very high density code reading
- IP65 rugged industrial housing
- Easy set through WINHOST™
- Dual serial interface
- New generation built-in real-time
- Scanner module: 150 g (5.29 oz)
- 50 x 40 x 28 mm (1.97 x 1.57 x 1.10 in)
- Ultra compact dimensions

Features

- Reading medias will improve overall system performance and reliability.
- The DS2200 is a compact, easy to integrate scanner that offers high performance and reliability.
- Thanks to Datalogic’s advanced technology and experience in miniaturized laser components, the DS2200 is one of the most compact industrial laser scanners on the market, without compromising reading performance and industrial quality standards.
- The DS2200's high scanning speed and optical quality, together with its advanced decoding software, provide high decoding performance and reliability for the most popular bar code symbologies, as well as on damaged or poorly printed bar codes.
- The DS2200's compact dimensions and light weight make it easy to integrate into automated equipment.
- The dual serial interface increases the device's versatility and connectivity.
- The ease of setup through the easy to use and intuitive WINHOST™ software makes the DS2200 ideal for applications where integration capability and high reliability are essential and cost effectiveness is a key element.
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Applications

- Automatic manufacturing
- Food processing machinery
- OEM processing machines
- Document handling machinery
- Chemical and biomedical analyzers
- Unattended scanning systems

Datalogic’s advanced technology and experience in miniaturized laser components has allowed the development of one of the most compact industrial laser scanners on the market, without compromising reading performance and industrial quality standards.

The DS2200's high scanning speed and optical quality, together with its advanced decoding software, provide high decoding performance and reliability for the most popular bar code symbologies, as well as on damaged or poorly printed bar codes.

Integration into automated equipment is extremely easy thanks to the DS2200's miniature dimensions and light weight. The dual serial interface increases the device's versatility and connectivity.

The ease of setup through the easy to use and intuitive WINHOST™ software makes the DS2200 ideal for applications where integration capability and high reliability are essential and cost effectiveness is a key element.
**Specifications**

**Dimensions**

- **Scanner:** Ultra compact Laser
- **Model:** DS2200

**Unattended Scanning Systems**

**ELECTRICAL CHARACTERISTICS**

- **POWER SUPPLY:** 5 VDC ±5% (4 to 30 VDC with converter)
- **POWER CONSUMPTION:** 2 W

**MECHANICAL CHARACTERISTICS**

- **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

**PERFORMANCE**

- **LIGHT SOURCE:** Visible laser diode (650 nm)
- **MAX. RESOLUTION:**
  - Standard resolution models: 0.15 mm (6 mils)
  - High resolution models: 0.076 mm (3 mils)
- **SCANNING SPEED:** 500 scans/sec
- **MAX. READING DISTANCE:**
  - Standard resolution models: 220 mm (on 0.60 mm/24 mils codes)
  - High resolution models: 125 mm (on 0.20 mm/8 mils codes)
- **MAX. DEPTH OF FIELD:**
  - Standard resolution models: 170 mm (on 0.60 mm/24 mils codes)
  - High resolution models: 85 mm (on 0.20 mm/8 mils codes)
- **APERTURE ANGLE:**
  - Standard resolution models: 52 degrees
  - High resolution models: 62 degrees
- **RASTER APERTURE:** 15 mm (0.6 in) at 220 mm (8.7 in) for raster models
- **READABLE CODES:** Code 2/5, Code 39, Code 93, Code 128, EAN/UPC, EAN128, Codabar, Pharmacode
- **MULTILABEL READING:** Up to 6 different codes in the same presence sensor phase
- **COMMUNICATION INTERFACE:**
  - RS232, EIA-232, EIA-485, Dual serial interface (RS232+RS485 half duplex)
- **BAUD RATE:** Up to 115.2 Kbauds
- **INPUT SIGNALS:** One external trigger digital input
- **OUTPUT SIGNALS:** Two programmable digital I/Os (Transmit Data, RX Data, TX Data)
- **LASER CLASSIFICATION:** IEC 825 Class 2
- **LASER CONTROL:** Security system to turn laser off in case of motor slow down or failure

**ENVIRONMENT**

- **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

**LASER LIGHT**

- **CLASS 2 LASER PRODUCT**
- **MAX. OUTPUT RADIATION:** 1.0 mW
- **EMITTED WAVE LENGTH:** 630~680 nm

**Reading Diagrams**

- Printed in Italy October 2007