

QuickScan® I QD2100 Scanner / Reader



The QuickScan reader series is Datalogic Scanning's value line of general purpose handheld data collection products. The QuickScan I QD2100 linear imaging reader is an entry level product that is perfect for use in retail and office environments plus activities associated with couriers and postal services. The QD2100 is small, lightweight and its ergonomic design is comfortable to use during daily operations. It offers snappy reading performance especially on hard to read bar codes and is capable of reading a wide range of symbologies including the majority of 1D codes plus GS1 DataBar™ linear codes. The QD2100 reader features Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code. When in Stand Mode, the Green Spot remains on to show the operator where to position the code for quick and intuitive reading. Like the QuickScan L reader, the QD2100 has been designed with durability in mind. One of the most vulnerable features of any scanner is damage to the scan window. When such incidents happen, the scanner may have to be replaced. The QD2100 was specifically designed so that a replacement window pack can be ordered to replace damaged or scratched windows without having to send the scanner away for repairs. This helps to reduce the total cost of ownership during the life of the scanner and helps to ensure that it is always available for use. The QD2100 is available with two multi-interface options: RS-232 / IBM 46XX / USB and RS-232 / USB / Keyboard Wedge / Wand and includes various packaging options so that it can be ordered as the scanner only or as a kit equipped with a scanner, cable and stand to facilitate hand-free reading options. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.

Rating: Not Rated Yet

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Description

Features

Datalogic Green Spot for good read feedback

User replaceable scan window

Two multi-interface options support the most popular interface combinations

Supports GS1 DataBar™ codes

Remote host download functions (Model QD2110)

Water and Particulate Sealing Rating: IP42

Drop resistance to 1.5 m / 5.0 ft

Specifications

Decoding Capability

- 1D / Linear Codes
 - Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes
- Postal Codes
 - China Post
- Stacked Codes
 - GS1 DataBar Expanded Stacked
 - GS1 DataBar Stacked
 - GS1 DataBar Stacked Omnidirectional

Electrical

- Current
 - Operating (Typical)
 - 340 mA @ 5 VDC
 - Standby/Idle (Typical)
 - 190 mA @ 5 VDC
- Input Voltage
 - QD2110
 - 4 -14 VDC
 - QD2130
 - 5 VDC +/- 10%

Environmental

- Ambient Light
 - 100,000 lux
- Drop Resistance
 - Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface
- ESD Protection (Air Discharge)
 - 20 kV
- Humidity (Non-Condensing)
 - 5 - 95%
- Particulate and Water Sealing
 - IP42
- Temperature
 - Operating
 - 0 to 50 °C / 32 to 122 °F
 - Storage/Transport
 - -40 to 70 °C / -40 to 158 °F

Interfaces

- RS-232 / IBM 46XX / USB Multi-Interface
 - QD2100
- RS-232 / USB / Keyboard Wedge / Wand Multi-Interface
 - QD2130

Physical Characteristics

- Colors Available
 - Black
 - White
- Dimensions
 - 17.0 x 7.1 x 6.6 cm / 6.7 x 2.8 x 2.6 in
- Weight
 - 121.9 g / 4.3 oz

Reading Performance

- Light Source
 - Red LED 610-650 nm
- Print Contrast Ratio (Minimum)
 - 15%
- Read Rate (Maximum)
 - 270 reads/sec.

- Reading Angle
 - Pitch
 - +/- 65°
 - Roll (Tilt)
 - +/- 45°
 - Skew (Yaw)
 - +/- 65°
- Reading Indicators
 - Beeper (Adjustable Tone)
 - Datalogic 'Green Spot' Good Read Feedback
 - Good Read LED
- Resolution (Maximum)
 - 0.102 mm / 4 mils

Reading Ranges - Typical Depth of Field

- Minimum distance determined by symbol length and scan angle.
- Printing resolution, contrast, and ambient light dependent.
- 4 mils
 - 2.0 to 11.0 cm / 0.8 to 4.3 in
- 5 mils
 - 1.5 to 15.0 cm / 0.6 to 6.0 in
- 7.5 mils
 - 0.8 to 25.0 cm / 0.3 to 10.0 in
- 10 mils
 - 0.8 to 38.0 cm / 0.3 to 15.0 in
- 13 mils
 - 1.9 to 45.0 cm / 0.7 to 18.0 in
- 20 mils
 - 2.5 to 65.0 cm / 1.0 to 26.0 in

Safety & Regulatory

- Agency Approvals
 - The product meets necessary safety and regulatory approvals for its intended use.
 - The Quick Reference Guide for this product can be referred to for a complete list of certifications.
- Environmental Compliance
 - Complies to China RoHS
 - Complies to EU RoHS
- LED Classification
 - IEC 60825-1 Class 1 LED Product

Utilities

- Datalogic Aladdin™
 - Datalogic Aladdin configuration program is available for download at no charge
- Remote Host Download
 - Lowers service costs and improves operations
 - QD2110

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