



### General Purpose Corded Handheld Linear Imager Bar Code Reader

The QuickScan™ reader series is Datalogic Scanning's value line of general purpose handheld data collection products. The QuickScan Lite QW2100 linear imager is an entry level product created specifically for reading long and truncated bar codes which is common in some areas of the world. It is perfect for use in retail, light manufacturing, document/bill processing and banking/finance environments.

The QW2100 imager is small, lightweight and its ergonomic design is comfortable to use during daily operations. It offers snappy reading performance on most 1D bar codes and features a wide scanning angle with an extended scanning line which is perfect for capturing longer and wider bar codes typically found on utility bills and used by manufacturers of electronic parts. Additionally, the scanning line is thinner and brighter, allowing users to scan at wide angles without having to increase the scanning distance.

The QW2100 imager features Datalogic's exclusively 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.

A specially designed stand has been created for the QW2100 imager which is light in weight, collapsible to use as a holder instead of a stand, and also has a 'tiltable head' for various angle settings.

The QW2100 imager is available with two interface options: USB or Keyboard Wedge / RS-232 and includes various packaging options so that it can be ordered as a scanner only or as a kit equipped with a scanner, cable and stand to facilitate hands-free reading options. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.

Because this imager was created for specific areas of the world, please check with your Datalogic Representative to inquire if the QW2100 imager is available in your area.



### Features

- Wide scan angle
- Laser-like thinner and extended scan line
- Datalogic Green Spot for good-read feedback
- Two interface options: USB or Keyboard Wedge / RS-232
- Built with over molded rubber to protect the imager when dropped
- Compact and multi-position stand
- Water and Particulate Sealing Rating: IP42
- Drop Resistance to 1.5 m / 5.0 ft
- Uses the same cables and power supplies as the current QuickScan products
- Bulk packaging available (10 scanners per box)



## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes

POSTAL CODES

Australian Post; British Post; Canadian Post; China Post; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)

STACKED CODES

EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

### ELECTRICAL

AC POWER REQUIREMENTS

Power Consumption: Operating (Nominal): <260 mA; Typical: <180 mA;

INPUT VOLTAGE

Idle: <80 mA; Sleep Mode: <2.5 mA  
5 VDC +/- 0.5 V

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE

100,000 lux  
Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

16 kV  
5 - 95%  
IP42  
Operating: 0 to 50 °C / 32 to 122 °F  
Storage/Transport: -4 to 70 °C / -4 to 158 °F

### INTERFACES

QW2120-BK: USB only; QW2170-BK: RS-232 / Keyboard Wedge  
QW2120-BK-10: 10 units per pack; QW2170-BK-10: 10 units per pack

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE  
DIMENSIONS  
WEIGHT

Black  
17.0 x 6.5 x 7.0 cm / 6.7 x 2.5 x 2.7 in  
119.0 g / 4.2 oz

### READING PERFORMANCE

IMAGER SENSOR  
LIGHT SOURCE  
PRINT CONTRAST RATIO (MINIMUM)  
READ RATE (MAXIMUM)  
READING ANGLE  
READING INDICATORS

CCD  
LED  
25%  
400 reads/sec.  
Pitch: +/- 65°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 70°  
Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED; Good Transmission  
0.102 mm / 4 mils (1D Codes)  
56° +/- 2°

### READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.  
Printing resolution, contrast, and ambient light dependent.  
5 mils: 1.5 to 15.0 cm / 0.6 to 6.0 in  
7.5 mils: 0 to 24.0 cm / 0 to 9.4 in  
10 mils: 0 to 38.0 cm / 0 to 15.0 in  
13 mils: 0 to 45.0 cm / 0 to 18.0 in  
20 mils: 0 to 65.0 cm / 0 to 26.0 in

### SAFETY & REGULATORY

AGENCY APPROVALS

The product meets necessary safety and regulatory approvals for its intended use.

ENVIRONMENTAL COMPLIANCE

The Quick Reference Guide for this product can be referred to for a list of certifications.  
Complies to China RoHS; Complies to EU RoHS

### UTILITIES

DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge.

OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge.  
OPOS Utilities are available for download at no charge.

### WARRANTY

3-Year Factory Warranty

## Accessories



### Mounts/Stands

- STD-QW2100-BK Holder/Stand, Black

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Product specifications are subject to change without notice.

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