



### 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 QS6500 linear imaging reader is the highest performing corded member of the QuickScan family. Designed for retail, office, healthcare and light industrial applications the QuickScan QS6500 reader offers excellent performance and durability at an affordable price.

The QS6500 features an excellent depth-of-field and snappy reading performance with speeds up to 450 reads/second. It easily reads the most common 1D bar codes while also offering the ability to read stacked codes like PDF417, Micro PDF and UPC/EAN stacked composite codes.

All of the most popular interfaces are supported in every unit including IBM, USB, KBW, and RS-232, and switching interfaces is as easy as changing cables. The QS6500's

configuration program provides user-friendly features to visualize the reader's configuration, create and duplicate special configurations and access and easily manipulate advanced label editing options. Flash memory allows for easy software upgrades of operating software and new symbologies or updates for existing symbologies are easily added.

The QS6500 linear imager reader has the built-in ruggedness of solid-state electronics eliminating the moving parts, so that the reader provides years of worry-free operation. Rubber over mold at all contact points additionally protects the reader from shock caused by drops and abuse so that the enclosure wears better over time.

A hands-free stand for presentation style reading and mounting options are available to organize the workspace and to save valuable counter area when needed.



### Features

- Aggressive reading performance up to 450 scans/second
- Excellent depth of field up to 38.1 cm / 15.0 in reading on 100% UPC labels
- Multi-interface solution supports all popular host terminal interfaces
- Supports GS1 DataBar™ and additional support for PDF417, Micro-PDF and UPC/EAN Composites on select models
- Flash memory for easy software upgrades in the field
- Water and Particulate Sealing Rating: IP52
- Drop resistance to 1.5 m / 4.9 ft

## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES  
 POSTAL CODES  
 STACKED CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes  
 China Post  
 Code 16K; EAN/JAN Composites; GS1 DataBar Composites; PDF Models;  
 GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417: PDF Models; PDF417: PDF Models; UPC A/E Composites

### ELECTRICAL

CURRENT  
 INPUT VOLTAGE

Operating (Typical): 300 mA @ 5 VDC  
 Standby/Idle (Typical): 200 mA @ 5 VDC  
 +4.5 - 14 VDC +/- 5%

### ENVIRONMENTAL

AMBIENT LIGHT  
 DROP RESISTANCE  
 ESD PROTECTION (AIR DISCHARGE)  
 HUMIDITY (NON-CONDENSING)  
 PARTICULATE AND WATER SEALING  
 TEMPERATURE

0 - 86,000 lux  
 Withstands repeated drops from 1.5 m / 4.9 ft onto a concrete surface  
 25 kV  
 5 - 95%  
 IP52  
 Operating: 0 to 50 °C / 32 to 122 °F  
 Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

IBM 46xx; Keyboard Wedge; OEM (IBM) USB; RS-232; USB; Multiple Interfaces Available

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE  
 DIMENSIONS  
 WEIGHT

Black; Grey  
 16.5 x 7.4 x 9.9 cm / 6.5 x 2.9 x 3.9 in  
 181.4 g / 6.4 oz

### READING PERFORMANCE

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

CCD Solid-state 2048 pixels  
 Illumination: Red LED 630 nm  
 30%  
 450 reads/sec.  
 Pitch: +/- 60°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 55°  
 Beeper (Adjustable Tone); Good Read LED  
 0.130 mm / 5 mils

### READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.  
 Printing resolution, contrast, and ambient light dependent.  
 QS6500 1D  
 5 mils: 5.1 to 12.7 cm / 2.0 to 5.0 in  
 7.5 mils: 2.5 to 17.8 cm / 1.0 to 7.0 in  
 10 mils: 0 to 30.5 cm / 0 to 12.0 in  
 13 mils: 0 to 38.0 cm / 0 to 15.0 in  
 20 mils: 2.5 to 61.0 cm / 1.0 to 24.0 in  
 QS6500 PDF Models  
 5 mils: 5.0 to 11.4 cm / 2.0 to 4.5 in  
 7.5 mils: 2.5 to 16.2 cm / 1.0 to 6.0 in  
 10 mils: 0 to 26.7 cm / 0 to 10.5 in  
 13 mils: 0 to 33.0 cm / 0 to 13.0 in  
 20 mils: 2.5 to 53.3 cm / 1.0 to 21.0 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.  
 Complies to China RoHS; Complies to EU RoHS  
 IEC 60825 Class 1 LED

ENVIRONMENTAL COMPLIANCE  
 LED CLASSIFICATION

### UTILITIES

OPOS / JAVAPOS

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

### WARRANTY

5-Year Factory Warranty

## Accessories



### Mounts/Stands

- 11-0360 Holder, Multi-Purpose, Black
- 11-0362 Holder, Multi-Purpose, Grey
- 7-0393 Holder, Grey
- 7-0840 Holder, Black
- 8-0681-01 Hands Free Stand, Grey
- 8-0681-02 Hands Free Stand, Black

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