



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

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

POSTAL CODES
STACKED 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

Operating (Typical): 300 mA @ 5 VDC
Standby/Idle (Typical): 200 mA @ 5 VDC

INPUT VOLTAGE

+4.5 - 14 VDC +/- 5%

ENVIRONMENTAL

AMBIENT LIGHT

0 - 86,000 lux

DROP RESISTANCE

Withstands repeated drops from 1.5 m / 4.9 ft onto a concrete surface

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

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

Black; Grey

DIMENSIONS

16.5 x 7.4 x 9.9 cm / 6.5 x 2.9 x 3.9 in

WEIGHT

181.4 g / 6.4 oz

READING PERFORMANCE

IMAGER SENSOR

CCD Solid-state 2048 pixels

LIGHT SOURCE

Illumination: Red LED 630 nm

PRINT CONTRAST RATIO (MINIMUM)

30%

READ RATE (MAXIMUM)

450 reads/sec.

READING ANGLE

Pitch: +/- 60°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 55°

READING INDICATORS

Beeper (Adjustable Tone); Good Read LED

RESOLUTION (MAXIMUM)

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



Mounts/Stands

- 7-0393 Holder, Grey
- 7-0840 Holder, Black
- 8-0681-01 Hands Free Stand, Grey
- 8-0681-02 Hands Free Stand, Black

© 2005-2008 Datalogic Scanning Inc.

All rights reserved. • Protected to the fullest extent under U.S. and international laws.
• Copying, or altering of this document is prohibited without express written consent from Datalogic Scanning, Inc.

Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo is a trademark of Datalogic S.p.A. • QuickScan is a registered trademark of Datalogic Scanning Inc.

Other brand and product names may be trademarks of their respective owners.

Product specifications are subject to change without notice.

DS-QUICKSCANQS6500-ENA4 20080725

www.scanning.datalogic.com