

# QuickScan® QS6500BT

Linear Imager Featuring **Bluetooth®** Wireless Technology

## Data Sheet



### Features:

- Aggressive linear imaging performance with 450 scans per second
- Bluetooth certified wireless communication with 30' / 9.1 m range
- Upright charging cradle position enables hands-free scanning
- Out of range anti-theft alarm
- Durable design is built tough to withstand common abuse for many years
- Flash memory for easy software upgrades
- Multi-interface base station supports all popular host terminal interfaces
- Supports RSS and PDF-417 for future industry compatibility
- User replaceable lithium-ion battery
- More than 33,000 scans per charge.

### Mechanical

Dimensions	Scanner	Base Station
Height	18.0 cm / 7.1"	7.4 cm / 2.9"
Width	7.4 cm / 2.9"	9.4 cm / 3.7"
Length	11.2 cm / 4.4"	15.5 cm / 6.1"
Weight	226.8 g / 8.0 oz	340.2 g / 12.0 oz

### Environmental

#### Temperature Rating

**Operating:** 32° to 122° F / 0° to 50° C

**Storage:** -40° to 158° F / -40° to 70° C

#### Humidity

**Operating:** 5 to 95% NC

**Storage/Transport:** 5 to 95% NC

#### Shock

**Withstands multiple** 1.5 m / 5' drops to concrete

**Vibration:** Meets MIL STD-810E

**Water & Dust:** IEC 60529 rating IP52DW

### Electrical

**Operating Voltage:** +4.5 to 14VDC ±5%

#### Current

**Operating:** 220mA @ 5VDC or 120 mA @ 10V

**Charging:** 1,200mA @ 5VDC or 480 mA @ 10V

**Battery:** Li-Ion 800 mAH, user replaceable

**Charge:** via Cradle, full charge in 2.5 hours

**Scans per charge:** over 33,000

### Optical

#### Ambient Light Immunity

**Artificial & Sunlight:** 80,000 Lux

**Light Source:** 630nm Visible Red Diode

**Scan Rate:** 450 scans/sec max

**Sensor:** 2048 pixel linear imager

**Scan Width:** 16.5 cm / 6.3" @ 17.8 cm / 7" from nose

**Depth of Field:** Refer to Chart below

**Resolution:** 13 mm / 5 mils

**Print Contrast:** 30% or greater

**Pitch:** ±60°

**Skew:** ±55°

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE*
5 mils	5 - 11.4 cm / 2.0 - 4.5"
7.5 mils	2.5 - 16.2 cm / 1.0 - 6.0"
10 mils	0 - 26.7 cm / 0 - 10.5"
13 mils / 100% UPC	0 - 33 cm / 0 - 13"
20 mils	53.3 cm / Up to 21"
40 mils	89 cm / Up to 35"

\* Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

### Wireless Communications

**Protocol:** Bluetooth 1.2 certified Class 2

**Frequency:** 2.4 GHz Spread Spectrum with Adaptive Frequency hopping

**Range:** Class 2: up to 10 m / 30'

### Host Communications

- RS-232
- Keyboard Wedge
- IBM 46XX
- IBM USB
- USB
- Wand Emulation

### Decoding Capability

- UPC A, E / EAN 8, 13 / JAN 8, 13 Add-ons (sub 2 or P2, sub 5 or P5 & C128)
- Codabar/NW7
- Code 11
- Code 16K
- Code 93
- Code 128
- UK/Plessey
- MSI/Plessey
- Code 39 (full ASCII)
- RSS-14, Expanded, Stacked, Limited
- ISBN / Bookland EAN
- Pharmacode 39
- Interleaved 2 of 5
- Standard 2 of 5
- IATA

- PDF-417
- Micro-PDF
- RSS Composites

### Safety & Regulatory

**Electrical:** Complies to: Gost R; UL; cUL; IEC60950

**Emissions:** Complies to: FCC-A; EN 55022-B; CISPR-22; VCCI-B

**Radio:** FCC Part 15C, R and TTE, IC and IDA.

**For RF Approved countries,** please contact Datalogic Scanning.

**Laser Classification:** IEC 60825 Class 1 LED

**Restriction of Hazardous Substances:** Complies to EU RoHS



The **Bluetooth®** word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Datalogic Scanning Inc. is under license.



### Datalogic Scanning, Inc.

Toll free: 1 800 695 5700

International: 1 541 683 5700

E-mail us at: scanning@datalogic.com

www.datalogic.com



Copyright © Datalogic Scanning, Inc. 2006-2007. 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 Scanning, Inc. of Eugene, Oregon, USA is ISO registered by NQA. • The Datalogic logo is a trademark of Datalogic S.p.A. • All brand and product names are trademarks of their respective owners. • Additional information concerning this product or other Datalogic products and services can be found at the Datalogic web site: www.datalogic.com. • Product specifications are subject to change without notice.