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 33' / 10 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	7.1" / 18.0 cm	2.9" / 7.4 cm
Width	2.9" / 7.4 cm	3.7" / 9.4 cm
Length	4.4" / 11.2 cm	6.1" / 15.5 cm
Weight	8.0 oz / 226.8 g	12.0 oz / 340.2 g

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 5' / 1.5 m 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: 6.3" / 16.5 cm @ 7" / 17.8 cm from nose
Depth of Field: Refer to Chart below
Resolution: 5 mils / .13 mm
Print Contrast: 30% or greater
Pitch: ±60°
Skew: ±55°

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

* 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 30' / 10 m

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

Bluetooth®

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◇ DATALOGIC ™

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