# QuickScan® QS6500

*Linear Imager*

# Data Sheet

## Features:

- Aggressive linear imaging performance with up to 38 cm / 15" reading on 100% UPC labels
- Supports RSS and PDF-417 for future industry compatibility
- 2005 Sunrise compliant
- Multi-interface solution supports all popular host terminal interfaces
- Flash memory for easy software upgrades
- Built tough to withstand common POS abuse for many years
- Attractive, yet durable design to complement your point-of-sale

## Mechanical

**Dimensions**
- **Height:** 16.5cm / 6.0"
- **Width:** 7.4cm / 2.9"
- **Length:** 9.9 cm / 3.9"
- **Weight:** 181.4 g / 6.4 oz

## Environmental

**Temperature Rating**
- **Operating:** 0° to 50°C / 32° to 122° F
- **Storage:** -40° to 70° C / -40° to 158° F

**Humidity:**
- **Operating:** 5 to 95% NC
- **Storage/Transport:** 5 to 95% NC

**Vibration:** Meets MIL STD-810E
**Mechanical Shock:** Withstands 50 drops from 1.5m / 5' to concrete
**ESD Protection:** Functional after multiple 25kv discharges.
**Water & Dust:** IEC529 Rating IP52DW

## Electrical

**Operating Voltage:** +4.5 to 14VDC ±5%
**Operating Current:** 300mA @ 5VDC
**Idle Current:** 200mA @ 5VDC

## Optical

**Ambient Light Immunity**
- **Artificial & Sunlight:** 86,000 Lux

**Light Source:** 630nm Visible Red Diode
**Scan Rate:** 450 scans/sec max
**Sensor:** 2048 pixel linear imager
**Scan Width:** 16.5cm / 6.3" @ 17.8cm / 7" from nose
**Resolution:** 5 mils / .13mm
**Print Contrast:** 30% or greater
**Pitch:** ±60°
**Skew:** ±55°
**Depth of Field:** Refer to Chart below

| DEPTH OF FIELD Range Comparisons | | |
|---|---|---|
| LABEL DENSITY | RANGE* | |
| | 1D MODELS | PDF MODELS |
| 5 mil Linear | 5.1 - 12.7 cm / 2.0 - 5.0" | 5 - 11.4 cm / 2.0 - 4.5" |
| 7.5 mils | 2.5 - 17.8 cm / 1.0 - 7.0" | 2.5 - 16.2 cm / 1.0 - 6.0" |
| 10 mils | 0 - 30.5 cm / 0 - 12" | 0 - 26.7 cm / 0 - 10.5" |
| 13 mils / 100% UPC | 0 to 38 cm / 0 - 15" | 0 - 33 cm / 0 - 13" |
| 20 mils | Up to 61.0 cm / 24" | Up to 53.3 cm / 21" |
| 40 mils | Up to 101.6 cm / 40" | Up to 89 cm / 35" |

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

## Decoding Capability

**1D Versions**
- UPC A, E / EAN 8, 13 / JAN 8, 13
- Add-ons (sub 2 or P2, sub 5 or P5 & C128)
- RSS-14, Expanded, Stacked, Limited
- ISBN / Bookland EAN
- Code 39 (with full ASCII)
- Pharmacode 39
- Code 128
- Code 93
- Interleaved 2 of 5
- Standard 2 of 5
- IATA
- Code 16K
- Code 11
- Codabar/NW7
- UK/Plessey
- MSI/Plessey

**PDF Models support these additional symbologies:**
- RSS Composites
- PDF-417
- Micro-PDF

## Communications

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

## Safety & Regulatory

**Electrical:** Complies to EN60950, CSA60950, UL60950
**Emissions:** Complies to: FCC-A; EN 55022-B; BSMI 13438; AS/NZS 3548; VCCI-B, ICES-003
**Laser Classification:** IEC 60825 Class 1 LED
**Restriction of Hazardous Substances:** Complies to EU RoHS

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