

# QuickScan® QS6500

Unparalleled General Purpose Handheld Performance

# Data Sheet



## Mechanical

**Dimensions**  
 Height: 6.5" (16.5cm)  
 Width: 2.9" (7.4cm)  
 Length: 3.9" (9.9cm)  
 Weight: 6.0 oz. (170.1g)

## 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

## Ambient Light Immunity

Artificial & Sunlight: 70,000 Lux  
**Shock:** Multiple 5' (1.5m) drops to concrete  
**Water & Dust:** Sealed to resist airborne dust & particulates

## Electrical

Operating Voltage: +4.5 to 14VDC ±5%  
 Operating Current: 160mA @ 5VDC  
 Idle Current: 70mA @ 5VDC

## Optical

Light Source: 630nm Visible Red Diode  
 Scan Rate: 450 scans/sec max  
 Sensor: 2048 pixel linear imager  
 Scan Width: 6.3" (16.5cm) @ 7" (17.8cm) 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 Typical Range Comparisons	
LABEL DENSITY	RANGE
5 mil Linear	2.0" to 5.0" (51 to 12.7cm)
75 mils	1.0" to 7.0" (2.5 to 17.8cm)
10 mils	0" to 12" (0 to 30.5cm)
13 mils	0" to 14" (0 to 35.6cm)
20 mils	Up to 24" (61.0cm)
40 mils	Up to 40" (101.6cm)

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

## Communications

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

## Decoding Capability

### ID 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 / UCC / EAN Composites
- PDF-417
- Micro-PDF

## 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



## Features:

- Aggressive linear imaging performance with up to 14" 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
- Optional EAS functionality
- Attractive, yet durable design to complement your point-of-sale

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