

# QuickScan® QS2500

# Data Sheet

Linear Imager



## Mechanical

**Dimensions**  
 Height: 7.3" / 18.5 cm  
 Width: 2.9" / 7.4 cm  
 Length: 4.5" / 11.4 cm  
**Weight:** 6.3 oz. / 179 g (cable not included)

## Environmental

**Temperature Rating:**  
 Operating: 32° to 113° F / 0° to 45° C  
 Storage: -22° to 149° F / -30° to 65° C  
**Humidity:**  
 Operating: 5 to 95% NC

**Shock:** Withstands ten 5.0' (1.5m) drops to concrete  
**Water & Dust:** Resistant, IEC 60529 rating IP42DW  
**ESD Protection:** Functional after 15kV discharge

## Optical

**Light Source:** 660nm Visible Red Diode  
**Scan Rate:** 200 scans/sec  
**Scan Width:** 4.0"/10.2 cm at 5.0"/12.7 cm from label  
**Resolution:** 5 mils / 0.13 mm  
**Print Contrast:** 25% or higher  
**Pitch:** ±60°  
**Skew:** ±75°  
**Scan Angle:** 46°

**Ambient Light Immunity**  
 Artificial Light: 6,968 foot candles / 75,000 Lux  
 Sunlight: 6,968 foot candles / 75,000 Lux  
**Depth of Field:** Refer to table below

DEPTH OF FIELD*	
Range Comparisons	
LABEL DENSITY	RANGE
5 mils	1.0" - 4.5" / 2.5 - 11.4 cm
10 mils	0.05" - 8.5" / 1.3 - 21.6 cm
13 mils (100% UPC)	0.5" - 11" / 1.3 - 28.0 cm
20 mils	1.0" - 16" / 2.5 - 40.6 cm
40 mils	2.0" - 28.0" / 5.0 - 71.0 cm

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

## Electrical

**Operating Current:**  
 Operating: 225 mA @ 5 VDC  
 Standby: 100 mA @ 5 VDC

## Communications

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

## Decoding Capability (autodiscriminates)

- UPC A, E / EAN 8, 13 / JAN 8, 13 (Including add-ons P2/P5)
- Code 128
- Pharmacode 39
- Codabar
- Industrial 2 of 5
- RSS-14
- RSS Expanded
- MSI/Plessey
- Telepen
- Code 11
- Code 93
- Code 39
- Interleaved 2 of 5
- Matrix 2 of 5
- RSS-14 Stacked
- RSS Limited
- UK/Plessey
- Code 16K
- PDF-417 with audio assist

## Safety & Regulatory

**Electrical:** Complies to UL and cUL  
**Emissions:** Complies to FCC-A; EN 55022-B; VCCI-A  
**Laser Classification:** IEC 60825 Class I LED  
**Restriction of Hazardous Substances:** Complies to EU RoHS



## Ideal for:

- Retail applications
- Health care
- Inventory
- Office automation
- Document tracking
- Light industrial

## Features:

- Aggressive reading and an extended depth-of-field
- Reads Reduced Space Symbology (RSS), PDF-417 and linear codes for flexibility
- Ergonomic "aim and shoot" design
- Reliable and durable, providing long lasting performance

## Accessories



P/N: 7-0803 (Gray);  
 P/N: 7-0832 (Black)  
 Hands Free Stand

P/N: 7-0393  
 Tabletop or  
 Wall Mount

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