QuickScan® QS2500

Data Sheet

Linear Imager

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), PDF417 and linear codes for flexibility
- Ergonomic "aim and shoot" design
- Reliable and durable, providing long lasting performance

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 /0.13mm

Print Contrast: 25% or higher

Pitch: ±60°

Skew: ±75°

Scan angle: 46°

Ambient Light Immunity
- **Artificial Light:** 6,968 foot candle / 75,000 Lux
- **Sunlight:** 6,968 foot candle / 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	Code 93
Pharmacode 39	Code 39
Codabar	Interleaved 2 of 5
Industrial 2 of 5	Matrix 2 of 5
RSS-14	RSS-14 Stacked
RSS Expanded	RSS Limited
MSI/Plessey	UK/Plessey
Telepen	Code 16K
Code 11	PDF417 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 1 LED

NOM NYCE C UL us CE

Accessories

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

P/N: 7-0393
Tabletop or
Wall Mount

USB

PSC Inc.
959 Terry Street
Eugene OR 97402-9150 USA
Tel: 800 695 5700 or 541 683 5700
Fax: 541 345 7140
www.psc.com

PSC®