QuickScan® QS2500

Linear Imager

Data Sheet

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:** 18.5 cm / 7.3"
- **Width:** 7.4 cm / 2.9"
- **Length:** 11.4 cm / 4.5"

Weight: 179 g / 6.3 oz. (cable not included)

Environmental

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

Humidity:
- **Operating:** 5 to 95% NC

Shock: Withstands ten 1.5m (5.0') 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: 10.2 cm/4.0" at 12.7 cm/5.0" from label

Resolution: 0.13mm /5 mils

Print Contrast: 25% or higher

Pitch: ±60°

Skew: ±75°

Scan angle: 46°

Ambient Light Immunity
- **Artificial Light:** 75,000 Lux / 6,968 foot candle
- **Sunlight:** 75,000 Lux / 6,968 foot candle

Depth of Field: Refer to table below

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

* 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
- 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

Accessories

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

P/N: 7-0393
Tabletop or
Wall Mount

R40-0035-UK H 1205