

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
Physical shock: 1500 g, 1ms
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 / .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	10"-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.

Accessories



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

P/N: 7-0393
 Tabletop or
 Wall Mount

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: CDRH Class IIa;
 (Caution: Laser Radiation - do not stare into beam);
 IEC 60825 Class 1 & 2



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



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