

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 GSI DataBar™ (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

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
- *GSI DataBar™
- MSI/Plessey
- Telepen
- Code 11
- Code 93
- Code 39
- Interleaved 2 of 5
- Matrix 2 of 5
- UK/Plessey
- Code 16K
- PDF-417 with audio assist

*GSI DataBar™ includes the following symbologies: RSS-14, RSS-14 Stacked, RSS Expanded and RSS Limited

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



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