

QuickScan® QS6500

Linear Imager

Data Sheet



Mechanical

Dimensions

- Height: 6.1" (16.5cm)
- Width: 2.9" (7.4cm)
- Length: 3.9" (9.9cm)

Weight: 6.4 oz. (181.4 g)

Environmental

Temperature Rating

- Operating: 32° to 122° F (0° to 50°C)
- Storage: -40° to 158° F (-40° to 70° C)

Humidity:

- Operating: 5 to 95% NC
- Storage/Transport: 5 to 95% NC

Ambient Light Immunity

Artificial & Sunlight: 86,000 Lux

Shock: Multiple 5' (1.5m) drops to concrete

Water & Dust: Sealed to resist airborne dust & particulates

Electrical

Operating Voltage: +4.5 to 14VDC ±5%

Operating Current: 300mA @ 5VDC

Idle Current: 200mA @ 5VDC

Optical

Light Source: 630nm Visible Red Diode

Scan Rate: 450 scans/sec max

Sensor: 2048 pixel linear imager

Scan Width: 6.3" (16.5cm) @ 7" (17.8cm) from nose

Resolution: 5 mils (13mm)

Print Contrast: 30% or greater

Pitch: ±60°

Skew: ±55°

Depth of Field: Refer to Chart below

DEPTH OF FIELD*	
Typical Range Comparisons	
LABEL DENSITY	RANGE**
5 mil Linear	2.0" to 5.0" (51 to 12.7cm)
75 mils	1.0" to 7.0" (2.5 to 17.8cm)
10 mils	0" to 12" (0 to 30.5cm)
13 mils	0" to 14" (0 to 35.6cm)
20 mils	Up to 24" (61.0cm)
40 mils	Up to 40" (101.6cm)

* Depth of Field specifications are for 1D models only. PDF models will have slightly shorter Depth of Field ranges.
 ** Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

Communications

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

Decoding Capability

ID Versions

- UPC A, E / EAN 8,13 / JAN 8,13
- Add-ons (sub 2 or P2, sub 5 or P5 & CI28)
- RSS-14, Expanded, Stacked, Limited
- ISBN / Bookland EAN
- Code 39 (with full ASCII)
- Pharmacode 39
- Code 128
- Code 93
- Interleaved 2 of 5
- Standard 2 of 5
- IATA
- Code 16K
- Code 11
- Codabar/NW7
- UK/Plessey
- MSI/Plessey

PDF Models support these additional symbologies:

- RSS / UCC / EAN Composites
- PDF-417
- Micro-PDF

Safety & Regulatory

Electrical: Complies to EN60950, CSA60950, UL60950

Emissions: Complies to FCC-A, EN 55022-B, BSMI13438, AS/NZS 3548, VCCI-B, ICES-003



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