

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

Features:

- Aggressive linear imaging performance with up to 14" reading on 100% UPC labels
- Supports RSS and PDF-417 for future industry compatibility
- 2005 Sunrise compliant
- Multi-interface solution supports all popular host terminal interfaces
- Flash memory for easy software upgrades
- Built tough to withstand common POS abuse for many years
- Attractive, yet durable design to complement your point-of-sale

DEPTH OF FIELD*	
Typical Range Comparisons	
LABEL DENSITY	RANGE**
5 mil Linear	51 to 127 cm / 20" to 50"
75 mils	2.5 to 17.8 cm / 10" to 70"
10 mils	0 to 30.5 cm / 0" to 12"
13 mils	0 to 35.6 cm / 0" to 14"
20 mils	6.0 cm / Up to 24"
40 mils	101.6 cm / Up to 4"

* 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

1D Versions

- UPC A, E / EAN 8, 13 / JAN 8, 13
- Add-ons (sub 2 or P2, sub 5 or P5 & C128)
- RSS-14, Expanded, Stacked, Limited
- ISBN / Bookland EAN
- Code 39 (with full ASCII)
- PharmacoCode 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; BSMI 13438; AS/NZS 3548; VCCI-B; ICES-003



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