

QuickScan® QS6500

Linear Imager

Data Sheet



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

Mechanical

Dimensions
 Height: 6" (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" (5.1 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

- 1D 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; BSMI 13438; AS/NZS 3548; VCCI-B, ICES-003



PSC Inc.
 959 Terry Street
 Eugene OR 97402-9150 USA
 Tel: 800 695 5700 or 541 683 5700
 Fax: 541 345 7140

