QuickScan® QS6500

Linear Imager

Data Sheet

Features:

- Aggressive linear imaging performance with up to 15" / 38 cm 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: 6.0" / 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
Vibration: Meets MIL STD-810E
Mechanical Shock: Withstands 50 drops from 5' / 1.5m to concrete
ESD Protection: Functional after multiple 25kV discharges.
Water & Dust: IEC529 Rating IP52DW

Electrical

Operating Voltage: +4.5 to 14VDC ±5%
Operating Current: 300mA @ 5VDC
Idle Current: 200mA @ 5VDC

Optical

Ambient Light Immunity
  Artificial & Sunlight: 86,000 Lux
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 Depth of Field Table below

DEPTH OF FIELD Range Comparisons		
LABEL DENSITY	**RANGE***	
	1D MODELS	**PDF MODELS**
5 mil Linear	2.0 - 5.0" / 5.1 - 12.7 cm	2.0 - 4.5" / 5 - 11.4 cm
7.5 mils	1.0 - 7.0" / 2.5 - 17.8 cm	1.0 - 6.0" / 2.5 - 16.2 cm
10 mils	0 - 12" / 0 - 30.5 cm	0 - 10.5" / 0 - 26.7 cm
13 mils / 100% UPC	0 - 15" / 0 to 38 cm	0 - 13" / 0 - 33 cm
20 mils	Up to 24" / 61.0 cm	Up to 21" / 53.3 cm
40 mils	Up to 40" / 101.6 cm	Up to 35" / 89 cm

* Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

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)
- 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 Composites
- PDF-417
- Micro-PDF

Communications

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

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
Laser Classification: IEC 60825 Class 1 LED
Restriction of Hazardous Substances: Complies to EU RoHS

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