QuickScan® QS6500

Linear Imager

Data Sheet

Features:

- Aggressive linear imaging performance with up to 38 cm / 15 in reading on 100% UPC labels
- Supports GS1 DataBar™ (formerly RSS) and PDF417 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: 16.5 cm / 6.0 in
   Width: 7.4 cm / 2.9 in
   Length: 9.9 cm / 3.9 in
Weight: 181.4 g / 6.4 oz

Environmental

Temperature Rating
   Operating: 0 to 50 °C / 32 to 122 °F
   Storage: -40 to 70 °C / -40 to 158 °F
Humidity:
   Operating: 5 to 95% NC
   Storage/Transport: 5 to 95% NC
Vibration: Meets MIL STD-810E
Mechanical Shock: Withstands 50 drops from 1.5 m / 5 ft to concrete
ESD Protection: Functional after multiple 25 kV discharges.
Water & Dust: IEC529 Rating IP52DW

Electrical

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

Optical

Ambient Light Immunity
   Artificial & Sunlight: 86,000 Lux
Light Source: 630 nm Visible Red Diode
Scan Rate: 450 scans/second max
Sensor: 2048 pixel linear imager
Scan Width: 16.5 cm / 6.3 in @ 17.8 cm / 7 in from nose
Resolution: 5 mils / .13 mm
Print Contrast: 30% or greater
Pitch: ±60°
Skew: ±55°
Depth of Field: Refer to Chart below

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

* 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)
- GS1 DataBar™ 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
- Code 16K
- Code 11
- Codabar/NW7
- UK/Plessey
- MSI/Plessey
- ISBT 128

PDF Models support these additional symbologies:

- GS1 DataBar™ Composites
- PDF417
- 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

DATALOGIC™

Datalogic Scanning, Inc.
E-mail us at: scanning@datalogic.com
www.scanning.datalogic.com