

QuickScan® QS6500

Linear Imager



At A Glance

"The QS6500 feels good to our cashiers and they notice faster reading of our products compared to our older handheld scanner."

— Store Manager of Leading Grocery Retailer

FEATURES	BENEFITS
<ul style="list-style-type: none"> Aggressive linear imaging performance with up to 14" reading on 100% UPC labels 	<ul style="list-style-type: none"> Fast, ergonomic scanning of all supported symbologies; increased productivity Easily reads most symbologies, including highly truncated codes like RSS and MicroPDF-417
<ul style="list-style-type: none"> Supports most 1D symbologies, including RSS-14 	<ul style="list-style-type: none"> Current industry compatibility
<ul style="list-style-type: none"> Supports PDF-417, Micro-PDF, and UPC/EAN Composite 2D Symbologies 	<ul style="list-style-type: none"> Future industry compatibility
<ul style="list-style-type: none"> Multi-interface solution 	<ul style="list-style-type: none"> All of the most popular interfaces are supported Includes IBM, USB, KBW, and RS-232 interfaces
<ul style="list-style-type: none"> Flash memory for easy software upgrades 	<ul style="list-style-type: none"> Lower cost of ownership since operating software is easily upgraded Scanner configuration parameters can be adjusted using the Windows based software utility New symbologies or updates for existing symbologies are easily added
<ul style="list-style-type: none"> Rubber over mold at all contact points 	<ul style="list-style-type: none"> Protects scanner from POS abuse Scanner survives multiple 5ft (1.5m) drops to concrete Enclosure wears better over time
<ul style="list-style-type: none"> Attractive, yet durable design to complement your point-of-sale 	<ul style="list-style-type: none"> Black and gray models match the most popular POS terminal colors for an integrated and professional look Custom logo badges are available

Accessories

- Hands Free Stand
- Counter Holder/Wall Mount
- Cables, power supplies & cords
- Service options

Alternative PSC Solutions

- QuickScan QS2500



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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" / 51 - 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

- ID Versions**
- UPCA, 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, BSMI13438, AS/NZS 3548, VCCI-B, ICES-003
Laser Classification: IEC 60825 Class I LED



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