POWERSCAN™ RETAIL PD9531

DATALOGIC

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BUILT TO LAST

With the durability of the renowned industrial PowerScan family, the PowerScan imager is now being introduced into the retail sector with a new series of 'Retail' scanners. The PowerScan PD9531-RT imager is a corded scanner perfect for desk applications. The rugged mechanics of the PowerScan Retail series guarantees reliable long-term operation in retail activities. Repeated shocks at the POS checkout does not inhibit the scanner's performance or reliability, protecting the retailer's investment. The IP65 rating further guarantees protection from damages caused by exposure to moisture.

NOW WITH DIGITAL WATERMARKING

Digital watermarked bar codes include the same Global Trade Item Number (GTIN) data contained in the UPC/EAN symbologies, but repetitively distributes the GTIN data across the entire package without altering the packaging aesthetics.

The PowerScan Retail 9501 series is the first handheld series of scanners on the market capable of reading digital watermarks including Digimarc® Barcodes. This new application significantly reduces time at the checkout. Cashiers can scan items quicker without having to hunt for the bar code or lift bulky items from the trolley.

MOBILITY ENHANCES PRODUCTIVITY

The PowerScan PD9531-RT Retail series can be used for all desktop activities at the POS checkout. To coordinate with different POS systems, the imagers are offered in 2 colors: dark gray or white with a silver top cover.

FEATURES

- Outstanding robustness (2.0 m / 6.6 ft drops)and an IP65 sealing rating
- Vertical cradle for presentation mode scanning
- Digital watermarks including Digimarc® Barcodes
- Snappy omnidirectional reading
- Intuitive aiming system
- In-field replaceable window
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY - APPLICATION

- Retail:
  - Point of Sale Checkout
  - Shelf Replenishment
  - Goods Receiving
  - Inventory
- Healthcare:
  - Patient Tracking
- Commercial Services:
  - Postal
  - Banks
  - Public Administration
  - Utilities

POWERSCAN™ RETAIL PD9531-RT

TECHNICAL SPECIFICATIONS

DECODING CAPABILITY	
Digital Watermarks	Includes Digimarc® Barcodes
1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
Postal Codes	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post
Stacked Codes	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

ELECTRICAL	
Current	Operating (Typical): 335 mA @ 10 VDC Standby/Idle (Typical): 120 mA @ 10 VDC
Input Voltage	5 VDC +/- 10%

ENVIRONMENTAL	
Ambient Light	0 - 100,000 lux
Drop Resistance	Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface
ESD Protection (Air Discharge)	20 kV
Humidity (Non-condensing)	95%
Particulate and Water Sealing	IP65
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES	
Interfaces	RS-232; USB COM; USB HID Keyboard

PHYSICAL CHARACTERISTICS	
Colors Available	Dark Gray/Black; White/Light Gray
Dimensions	21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
Weight	330.0 g / 11.6 oz

READING PERFORMANCES	
Image Sensor	864 x 544
Light Source	Aiming: 630 - 680 nm VLD; Illumination: Red LEDs
Motion Tolerance	90 cm / 35 in per second
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology and loud beeper for good-read feedback; Datalogic 'Green Spot' on the Code; Dual Good Read LEDs
Resolution (Maximum)	1D Codes: 4 mils; 2D Codes: 7.5 mils

READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.
Digital Watermarking	Maximum: 30 cm / 11.8 in
1D / 2D Codes	4 mils: 6.0 to 17.0 cm / 2.3 to 6.7 in 13 mils: 4.0 to 45.0 cm / 1.5 to 17.7 in 20 mils: 4.0 to 55.0 cm / 1.5 to 21.6 in 40 mils: 4.0 to 85.0 cm / 1.5 to 33.4 in 10 mils PDF417: 2.0 to 25.0 cm / 0.8 to 9.8 in 7.5 mils Data Matrix: 9.0 to 12.0 cm / 3.5 to 4.7 in 10 mils Data Matrix: 4.0 to 18.0 cm / 1.5 to 7.0 in

SAFETY & REGULATORY	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.
Laser Classification	Caution Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825 Class 2
LED Classification	IEC 62471 Class 1 LED

UTILITIES	
Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS Utilities are available for download at no charge.
Remote Host Download	Available on request

WARRANTY	
Warranty	3-Year Factory Warranty

ACCESSORIES

Mounts/Stands



STD-P090 Stand, Hands-free (STD-9000)



HLD-P080 Desk/Wall Holder (HLD-8000)

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