

# POWERSCAN™ RETAIL PM9500-RT



## 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 PM9500-RT imager is a cordless scanner featuring Datalogic's STAR Cordless System™ radio. The rugged mechanics of the PowerScan Retail series guarantees reliable long-term operation in retail activities. Repeated shocks at the POS checkout or outdoor usage do 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 9500 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 PM9500-RT Retail series is offered with or without a display and the 16-key keyboard. Wide radio coverage and the full keypad allow these mobile imagers to be used at the POS checkout as well as for inventory or shelf replenishment activities. When placed in the vertical cradle, the PowerScan Retail imager automatically switches into presentation mode. 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
- Datalogic's STAR 2.0 Cordless System™
- Standard Ethernet
- Snappy omnidirectional reading
- Intuitive aiming system
- Available with optional display and 16-key keyboard
- In-field replaceable window and cradle contacts
- 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-APPLICATIONS

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

## TECHNICAL SPECIFICATIONS

### CORDLESS COMMUNICATIONS

DATALOGIC STAR 2.0 CORDLESS SYSTEM™	Effective Radiated Power: 433 MHz: <10 mW; 910 MHz: <50 mW Point-to-Point Configuration Multi-Point Configuration: Max. Readers per Radio Receiver: 16
RADIO FREQUENCY	433 MHz; 910 MHz
RADIO RANGE (OPEN AIR)	433 MHz: 50 m / 164 ft low speed; 910 MHz: 100 m / 328 ft low speed; Seamless Roaming; Two-Way Communications

### DECODING CAPABILITY

DIGITAL WATERMARKS 1D / LINEAR CODES	Includes Digimarc® Barcodes 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

BATTERY	Lithium-Ion 2150 mAh Charge Time: External Power: 4 Hours; Host Power: 10 Hours
READS PER CHARGE	Continuous Reading: 30,000+
CRADLE INDICATOR LEDS	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
CURRENT	Charging (Typical): External Power: 800 mA @ 10 VDC; POT: 500 mA @ 5 VDC
OPERATING (TYPICAL) INPUT VOLTAGE	150 mA @ 10 VDC External Power: 10-30 VDC; POT: 5 VDC +/- 10%

### ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Cradle: Withstands 50 drops from 1.2 m / 3.9 ft onto a concrete surface PM9500-RT: 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 Battery Charging: 0 to 45 °C / 32 to 113 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

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### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Dark Gray / Black; White / Light Gray
DIMENSIONS	Cradle: 22.0 x 10.0 x 11.0 cm / 8.6 x 3.9 x 4.3 in PM9500-RT: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in PM9500-RT-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels
DISPLAY	PM9500-RT-DK: 16 Configurable Keys PM9500-RT: 380.0 g / 13.4 oz PM9500-RT-DK: 414.0 g / 14.6 oz
KEYPAD	
WEIGHT	

### READING PERFORMANCE

IMAGER 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 1D / 2D CODES	Maximum: 30 cm / 11.8 in 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	JavaPOS Utilities are available for download at no charge; OPOS Utilities are available for download at no charge
REMOTE HOST DOWNLOAD	Available on request

### WARRANTY

WARRANTY	3-Year Factory Warranty
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## ACCESSORIES

### Base Stations/Chargers



■ BC9030-433-RT / BC9030-910-RT:  
Vertical Base/Charger

■ BC9180-433-RT / BC9180-910-RT:  
Multi-Interface/Ethernet  
Base/Dual Charger