POWERSCAN™ PM9500

DATALOGIC

AIM, TRIGGER, DECODE: IT'S THAT SIMPLE!

An intuitive and effortless scanning experience is the target of the PowerScan™ 9500 series. They combine omnidirectional reading capabilities with outstanding optical characteristics. The result is a scanner that is able to read any kind of bar code, regardless of the orientation, from contact to over
1.0 m / 3.3 ft, depending on the bar code resolution. In addition, Datalogic's latest decoding software guarantees snappy reading in any type of environment.

MOBILITY ENHANCES PRODUCTIVITY

The Datalogic STAR Cordless System™ for narrow-band radio communications was developed specifically to maximize efficiency and reliability for handheld scanner data collection applications. The PowerScan PM9500 models are equipped with a new generation of the STAR-System™ that further improves the already outstanding features of versatility, ease of use and radio range.

The PM9500 series offers a model with a display and 4 configurable keys to increase the interaction between the host and the user allowing a two-way exchange of information for more reliable and effective communications.

Long lasting battery life guarantees more than one shift of intensive scanning.

DEVELOPED WITH THE USER IN MIND

Handle shape, well-balanced weight and an intuitive aiming system allows high first-pass reading rates while reducing unnatural wrist movements for improved ergonomics and user comfort.

The PowerScan 9500 area imagers use a soft-pulsed white illumination light that is very gentle on the eyes and less troublesome to the operator during scan-intensive applications.



FEATURES

- Snappy omnidirectional reading
- Intuitive aiming system
- Soft white light illumination
- Available with optional display and 4-keys
- Point-to-point and multi-point transmission
- Networking and seamless roaming
- Lithium-Ion battery replaces in 3 seconds!
- High speed 433 MHz and 910 MHz radio communications
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape
- Water and Particulate Sealing Rating: IP65
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Entertainment
  - Access Control
  - Mobile Coupons
  - Ticket Validation
  - Security / Age Verification
  - Lottery
- Manufacturing Shop Floor
  - Work-in-Progress
  - Sub-Assembly
  - Component Tracking
  - Quality Control
  - Time and Cost Analysis
  - Machine Replenishment / Configuration
  - Line Inventory Control
- Warehouse and Logistic Centers
  - Shipping / Receiving
  - Parcel Preparation
  - Picking / Put Away
  - Automatic Sorting Back-Up
  - End of Line Sorting

POWERSCAN™ PM9500

DATALOGIC

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

DATALOGIC STAR 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: 32
RADIO FREQUENCY	433 MHz; 910 MHz
RADIO RANGE (OPEN AIR)	433 MHz: 100 m / 328 ft low speed; 50 m / 164 ft high speed 910 MHz: 150 m / 492 ft low speed; 80 m / 262 ft high speed Seamless Roaming Two Way Communications

DECODING CAPABILITY

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

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)	150 mA @ 10 VDC
INPUT VOLTAGE	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: 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

INTERFACES	Keyboard Wedge; RS-232; RS-485; USB: OEM USB; USB COM; USB HID Keyboard

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Yellow/Black
DIMENSIONS	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PM9500: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
DISPLAY	PM9500/D: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels
KEYPAD	PM9500/D: 4 Configurable Keys
WEIGHT	PM9500: 380.0 g / 13.4 oz PM9500/D: 400.0 g / 14.1 oz

READING PERFORMANCE

IMAGER SENSOR	PM9500: 864 x 544; PM9500-HP: 1280 x 1024
LIGHT SOURCE	Aiming: 630 - 680 nm VLD; Illumination: White LEDs
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)	PM9500: 1D Codes: 4 mil; 2D Codes: 7.5 mil PM9500-HP: 1D Codes: 2.5 mil; 2D Codes: 4 mil

READING RANGES

TYPICAL DEPTH OF FIELD: Minimum distance determined by symbol length and scan angle; Printing resolution, contrast, and ambient light dependent.

PM9500		PM9500-HP	
4 mils	6.0 to 17.0 cm / 2.3 to 6.7 in	2.5 mils	2.0 to 6.0 cm / 0.8 to 2.3 in
7.5 mils Data Matrix	9.0 to 12.0 cm / 3.5 to 4.7 in	4 mils Data Matrix	2.0 to 6.0 cm / 0.8 to 2.3 in
10 mils Data Matrix	4.0 to 18.0 cm / 1.5 to 7.0 in	10 mils Data Matrix	2.0 to 20.0 cm / 0.8 to 7.8 in
10 mils PDF417	2.0 to 25.0 cm / 0.8 to 9.8 in	10 mils PDF417	2.0 to 30.0 cm / 0.8 to 11.8 in
13 mils	4.0 to 45.0 cm / 1.5 to 17.7 in	13 mils	3.0 to 60.0 cm / 1.1 to 23.6 in
20 mils	4.0 to 55.0 cm / 1.5 to 21.6 in	20 mils	3.0 to 70.0 cm / 1.1 to 27.5 in
40 mils	4.0 to 85.0 cm / 1.5 to 33.4 in	40 mils	3.0 to 110.0 cm / 1.1 to 43.3 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

ACCESSORIES

Base Stations/Chargers



- BC9030-433 / BC9030-910
  Base/Charger, Multi-Interface



- BC9130-433 / BC9130-910
  Base/Dual Charger, Multi-Interface
- BC9160-433 / BC9160-910
  Base/Dual Charger, Multi-Interface/RS-485

Cases/Holsters



- HLS-P080
  Universal Holster (HLS-8000)

Mounts/Stands



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



- 7-0404 Industrial
  Take-Up Reel

© 2014 Datalogic ADC, Inc. ▪ All rights reserved. ▪ Protected to the fullest extent under U.S. and international laws. ▪ Copying, or altering of this document is prohibited without express written consent from Datalogic ADC, Inc. ▪ Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S.A. and the E.U. ▪ 3GL is a registered trademark of Datalogic ADC Srl.▪ Motionix is a trademark of Datalogic ADC, Inc. ▪ Datalogic Aladdin is a trademark of Datalogic ADC Srl. ▪ PowerScan is a registered trademark of Datalogic ADC, Inc. in many countries, including the U.S.A. and E.U. ▪ All other brand and product names are trademarks of their respective owners. ▪ Product specifications are subject to change without notice.
DS-POWERSCANPM9500-EN REV A 20140110