



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 two display options: 4 configurable keys and a full 16-key keyboard. This increases interaction between the host and the user allowing a two-way exchange of information for more reliable and effective communications.

The BC9180 base/charger also includes in one model two different Ethernet connections: Standard Ethernet and Industrial Ethernet protocols such as Ethernet IP and Modbus.

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

- High-performance Liquid Lens allows one model to read standard, wide and high density codes
- Snappy omnidirectional reading
- Intuitive aiming system
- Soft white light illumination
- Available with optional display and 4 or 16-key keyboards
- High speed 433 MHz and 910 MHz radio communications
- Point-to-point and multi-point transmission
- Networking and seamless roaming
- Multiple interfaces available
- Ethernet Connectivity (Standard and Industrial)
- Lithium-Ion battery replaces in 3 seconds!
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Water and Particulate Sealing Rating: IP65
- In-field replaceable window and cradle contacts
- 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

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

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|---------------------------------|--|
| 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

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| 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

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| BATTERY | Lithium-Ion 2150 mAh Charge Time: External Power: 4 Hours; Host Power: 10 Hours Continuous Reading: 30,000+ |
| READS PER CHARGE | Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow) |
| CRADLE INDICATOR LEDS | |
| 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

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| 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

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| INTERFACES | Keyboard Wedge; RS-232; RS-485; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial) |
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PHYSICAL CHARACTERISTICS

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| 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 PM9500-D, PM9500-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels PM9500-D: 4 Configurable Keys PM9500-DK: 16 Configurable Keys |
| DISPLAY | PM9500: 380.0 g / 13.4 oz PM9500-D: 400.0 g / 14.1 oz PM9500-DK: 414.0 g / 14.6 oz |
| KEYPAD | |
| WEIGHT | |

READING PERFORMANCE

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| 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

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

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| 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

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| 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

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| WARRANTY | 3-Year Factory Warranty |
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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
- BC9180-433 / BC9180-910 Base/Dual Charger, Multi-Interface/Ethernet (Standard, Industrial)

Cases/Holsters



- HLS-P080 Universal Holster (HLS-8000)

Mounts/Stands



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



- 7-0404 Industrial Take-Up Reel