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
- EASEOF CARE 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**

### Technical Specifications

#### Cordless Communications

**Datalogic Star Cordless System**
- Effective Radiated Power:
  - 433 MHz: -10 mW; 910 MHz: -50 mW
- Multi-Point Configuration

**Radio Frequency**
- **PM9500**: 433 MHz: 910 MHz
- **PM9500-HP**: 433 MHz: 910 MHz

**Radio Range**
- 433 MHz: 100 m / 328 ft slow speed
- 910 MHz: 150 m / 492 ft slow speed
- 80 m / 262 ft high speed

#### Interfaces

**Accessories**
- Base Stations/Chargers
  - BC9030-433 / BC9030-910
  - BC9130-433 / BC9130-910
  - BC9160-433 / BC9160-910
  - BC9180-433 / BC9180-910
- Cases/Holsters
  - HLS-P080
- Mounts/Stands
  - HLD-P080

**Electrical**
- **Battery**: Lithium-Ion 2150 mAh
- **Charging Power (Typical)**
  - External Power: 800 mA @ 10 VDC
  - POT: 500 mA @ 5 VDC
- **Operating Voltage**
  - External Power: 10-30 VDC; POT: 5 VDC

**Environmental**
- **Ambient Light**
  - 0 - 100,000 lux
- **Drop Resistance**
  - PM9500: Withstands 50 drops from 1.2 m / 3.9 ft onto a concrete surface
- **Esd Protection Air Discharge**
  - 90.0 mA / 700 V
- **Humidity**
  - Non-Condensing: 95%
- **Particulate and Water Sealing**
  - IP65
- **Temperature**
  - Operating: -20 to 50 °C / -4 to 122 °F
  - Storage: -20 to 60 °C / -4 to 140 °F

**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; Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code; RSS-Microcode; Swedish Post; EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites
- **Postal Codes**
  - Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code; RSS-Microcode; Swedish Post; GS1 DataBar Composites
- **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

**Reading Performance**
- **Imager Sensor**
  - PM9500: 864 x 544; PM9500-HP: 1280 x 1024
- **Light Source**
  - Aiming: 630 - 680 nm, VLD, Illumination: White LEDs 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

**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**
  - PM9500-0; PM9500-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default)
- **KeyPad**
  - Screen Dimensions: 48 x 132 pixels
  - PM9500-0: 4-Configurable Keys
- **Weight**
  - PM9500: 380.0 g / 13.4 oz
  - PM9500-0: 400.0 g / 14.1 oz
  - PM9500-DK: 414.0 g / 14.6 oz

**Remote Host Download**
- Available on request

**Remote Reader Utilities**
- JavaPOS Utilities are available for download at no charge

**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.

**Safety & Regulatory**
- Compliance to China RoHS; Complies to EU RoHS; Cautions Laser Radiation - Do not stare into beam CDRH Class II: IEC 60825 Class 2
- IEC 62471 Class 1 LED

**Utilities**
- Datalogic Aladdin™
- JavaPOS Utilities are available for download at no charge

**Warranty**
- 3-Year Factory Warranty

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