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.

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**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
- EASEOFHCARE 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
  - 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
    - 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 (RMASCC); 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

**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**
  - Charging (Typical) External Power: 800 mA @ 10 VDC;
    - POT: 500 mA @ 5 VDC
- **CURRENT**
  - 150 mA @ 10 VDC
  - External Power: 10-30 VDC; POT: 5 VDC +/− 10%

**ENVIRONMENTAL**
- **AMBIENT LIGHT**
  - 0 - 100,000 lux
  - 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
- **DROP RESISTANCE**
  - 20 mils 4.0 to 55.0 cm / 1.5 to 21.6 in
  - 13 mils 4.0 to 45.0 cm / 1.5 to 17.7 in
  - 10 mils PDF417 2.0 to 25.0 cm / 0.8 to 9.8 in
  - 20 mils Data Matrix 4.0 to 55.0 cm / 1.5 to 21.6 in
  - 40 mils Data Matrix 8.0 to 85.0 cm / 3.1 to 33.4 in
  - 2.5 mils 2.0 to 6.0 cm / 0.8 to 2.3 in
  - 4 mils 6.0 to 17.0 cm / 2.3 to 6.7 in
  - 7.5 mils Data Matrix 9.0 to 12.0 cm / 3.5 to 4.7 in
  - 10 mils Data Matrix 2.0 to 25.0 cm / 0.8 to 9.8 in
  - 13 mils 4.0 to 45.0 cm / 1.5 to 17.7 in
  - 20 mils Data Matrix 9.0 to 12.0 cm / 3.5 to 4.7 in
  - 40 mils Data Matrix 8.0 to 85.0 cm / 3.1 to 33.4 in

**RESOLUTION (MAXIMUM)**
- **PM9500**
  - 2.5 mils 4.0 to 18.0 cm / 1.5 to 7.1 in
  - 5.0 mils 10.0 to 37.0 cm / 3.9 to 14.6 in
  - 7.5 mils 15.0 to 58.0 cm / 5.9 to 22.8 in
  - 10 mils 20.0 to 80.0 cm / 7.9 to 31.5 in
- **PM9500-HP**
  - 2.5 mils 4.0 to 18.0 cm / 1.5 to 7.1 in
  - 5.0 mils 10.0 to 37.0 cm / 3.9 to 14.6 in
  - 7.5 mils 15.0 to 58.0 cm / 5.9 to 22.8 in
  - 10 mils 20.0 to 80.0 cm / 7.9 to 31.5 in

**READING PERFORMANCE**
- **IMAGER SENSOR**
  - PM9500: 864 x 544; PM9500-HP: 1280 x 1024
  - AIMing: 630 - 680 nm VL0; Illumination: White LEDs 155
  - Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°
  - Better (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
- **READS PER CHARGE**
  - Continuous Reading: 30,000+
- **RESOLUTION**
  - **MAXIMUM**
  - PM9500: 2.5 mils 4.0 to 18.0 cm / 1.5 to 7.1 in
  - PM9500-HP: 2.5 mils 4.0 to 18.0 cm / 1.5 to 7.1 in

**READING RANGES**
- **TYPICAL DEPTH OF FIELD**
  - Minimum distance determined by symbol length and scan angle, Printing resolution, contrast, and ambient light dependent.

**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 C.R.E.A.C.H.
- **LASER CLASSIFICATION**
  - 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 and 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
  - BC9180-433 / BC9180-910 Base/Dual Charger, Multi-Interface/Ethernet (Standard, Industrial)
- **Cases/Holsters**
  - HLS-P080 Universal Holster (HLS-8000)
  - HLD-P080 Desk/Wall Holder (HLD-8000)
- **Mounts/Stands**
  - 7-0404 Industrial Take-Up Reel