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.

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.

- 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, including optional Ethernet (Standard, Industrial)
- Lithium-Ion battery replaces in 3 seconds!
- Datalogic’s Motonia® 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
## 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; Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); 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

**2D Codes**
- 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
- 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 (RM4SCC); 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

### Interfaces

**KeyBoard Wedge (RS-232, RS-485)**
- USB: OEM USB, USB COM, USB HID Keyboard; Optional Ethernet (Standard, Industrial)

**External Power:**
- 10-30 VDC
- POT: 5 VDC +/- 10%

**Input Voltage:**
- External Power: 10-30 VDC
- POT: 5 VDC +/- 10%

**Operating (Typical):**
- 150 mA @ 10 VDC

**Environmental Voltage:**
- Battery Charging: 0 to 45 °C / 32 to 113 °F

**Humidity (Non-Condensing):**
- 95%

**Particulate and Water Sealing:**
- IP65

**Temperature:**
- Operating: -20 to 50 °C / -4 to 122 °F
- Storage/Transport: -40 to 70 °C / -40 to 158 °F

### Resolution (Typical)

**PM9500:**
- PM9500: 864 x 544
- PM9500-HP: 1280 x 1024

**PM9500-HP:**
- PM9500-HP: 864 x 544
- PM9500-HP-433: 1280 x 1024

**Input Voltage:**
- External Power: 10 Hours
- Charge Time: Internal Power: 4 Hours; Host Power: 10 Hours

**Continuous Reading:**
- 30,000+

**Power/Data (Typical):**
- External Power: 800 mA @ 10 VDC
- POT: 500 mA @ 5 VDC

### Safety and 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.A.E.C.H.

**Laser Classification:**
- Caution Laser Radiation - Do not stare into beam

**LED Classification:**
- CDRH Class II; IEC 60825 Class 2

**Utilities:**
- Datalogic Aladdin™ configuration program is available for download at no charge.
- JavaPOS Utilities are available for download at no charge; OPOS Utilities are available for download at no charge

### Compatibility

**Base Stations/Chargers:**
- BC9030-433 / BC9030-910 Base/Charger, Multi-Interface
- BC9190-433 / BC9190-910 Base/Dual Charger, Multi-Interface/RS-485
- BC9180-433 / BC9180-910 Base/Dual Charger, Multi-Interface/Ethernet (Standard, Industrial)

**Mounts/Stands:**
- HLD-P080 Universal Holster (HLD-800)
- HLD-P080 Desk/Wall Holder (HLD-800)
- 7-9404 Industrial Take-Up Reel

**Remote Host Download:**
- Available on request

**OPOS / JavaPOS:**
- JavaPOS Utilities are available for download at no charge.

**Remote Host Download:**
- Available on request

**Warranty:**
- 3-Year Factory Warranty

**Accessories:**
- BC9030-433 / BC9030-910 Base/Charger, Multi-Interface
- BC9180-433 / BC9180-910 Base/Dual Charger, Multi-Interface/RS-485
- BC9190-433 / BC9190-910 Base/Dual Charger, Multi-Interface/Ethernet (Standard, Industrial)

**Cases/Holsters:**
- HLS-P080 Universal Holster (HLS-800)

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