POWERSCAN™ PBT9500

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, typical in all area imaging scanners, 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 PowerScan PBT9500 further enhances operator efficiency and safety with Bluetooth® wireless technology; no matter if you need 1 or 100 meters of freedom: you never need to worry about getting tangled up in the cable. Accurate power management allows long lasting battery life to always guarantee more than one shift of intensive scanning. Should you need to operate 24/7, a quick 3-second battery replacement combined with a single or multi-slot battery charger allows for continuous operation without interruption.

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.

BUILT TO LAST

The rugged mechanics of the PowerScan brand guarantees reliable, long term operation. Repeated shocks and indoor / outdoor usage in the toughest environmental conditions do not impact its performance or reliability.

FEATURES

- Snappy omnidirectional reading
- Intuitive aiming system
- Soft white light illumination
- Bluetooth® 3.0 Compliant: Class 1
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape
- Image capture
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Water and Particulate Sealing Rating: IP65
- 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

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TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

BLUETOOTH WIRELESS TECHNOLOGY	Piconet: Max. Readers per Radio Receiver Using Commercial Dongle: 7; Using Cradle: 4
PROFILES	HID (Human Interface Device) SPP (Serial Port Profile)
PROTOCOL	Bluetooth 3.0 Certified Class 1
RADIO FREQUENCY	2.40 to 2.48 GHz
RADIO RANGE (OPEN AIR)	Class 1: Exceeds 90 m/295 ft Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results.
SECURITY	Data Encryption; Scanner Authentication

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	Battery Type: 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 / 6.6 ft onto a concrete surface PBT9500: 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 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 PBT9500: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
WEIGHT	PBT9500: 380.0 g / 13.4 oz

READING PERFORMANCE

IMAGE CAPTURE	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
IMAGER SENSOR	PBT9530: 864 x 544; PBT9530-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)	PBT9530: 1D Codes: 4 mil; 2D Codes: 7.5 mil PBT9530-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.

PBT9530		PBT9530-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-BT: Base/ Charger, Multi-Interface
- BC9130-BT: Base/Dual Charger, Multi-Interface

Cases/Holsters



- HLS-P080: Universal Holster (HLS-8000)

Mounts/Stands

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



- 7-0404 Industrial Take-Up Reel

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