POWERSCAN™ PD9630

DATALOGIC

Everlasting handheld industrial scanners for 1D/2D barcode reading with top flexibility



ULTRA-RUGGED WITH NEW BALANCED ERGONOMICS!

The PowerScan family of bar code readers are the ultimate industrial handheld scanners designed and constructed to withstand the toughest environmental conditions. The PowerScan PD9630 imagers have an ultra-rugged design, an ergonomic shape with well-balanced weight to reduce operator stress during daily activities and an intuitive aiming system, allowing the highest first-pass reading rate while reducing unnatural wrist movement.

THREE OPTIC OPTIONS TO FULFILL ANY CUSTOMER NEED

The PowerScan PD9630 area imagers are available in three different optics, to satisfy any customer need. The **Standard Range** optic is ideal for most of the applications requiring barcode reading at intuitive distance; the **High Performance** optic adds the capability to decode high density barcodes together with an increased depth of field on standard 1D/2D codes; the **Document Capture** model is thought for Wide Angle code reading and Document Capture applications.

THE BEST FEEDBACK TO THE OPERATOR

The PD9630 area imagers also feature Datalogic's exclusive 3 Green Lights (3GL™) for superior good-read feedback together with a loud beeper and vibration. The 'Green Spot' technology directly on the code and dual Good Read LEDs increase visibility at any angle. All models have multi-interface capabilities featuring the most popular interfaces: RS-232, USB and offer an optional Ethernet for standard or industrial uses.

Datalogic's Motionix™ motion-sensing technology detects the natural actions of the operator to automatically switch the scanner into the desired scanning mode (handheld or presentation scanning).

FEATURES

- Snappy omnidirectional reading from contact to over 2.0 m / 6.5 ft
- Datalogic's new instinctive 'frame' aimer
- Water and Particulate Sealing Rating: IP65 and IP67
- 10 million trigger hits
- White light illumination
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape provides hours of tireless data collection for the user
- Supports 1D, stacked and 2D codes, postal codes and image capture
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI.

INDUSTRY - APPLICATION

- **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 PD9630

TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Codee; Dot code
Postal Codes	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post
Digital Watermarking	Digimarc Barcodes (PD9630-HP and PD9630-DC)

ELECTRICAL

Current	Operating (Typical): PD9630-SR: 200mA @ 5V; 120mA @ 12V PD9630-HP/ PD9630-DC: 280mA @ 5V / 140mA @ 12V Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V
Input Voltage	5 - 30 VDC ± 5%

ENVIRONMENTAL

Ambient Light	0 - 100,000 lux
Drop Resistance	Withstands 50 drops from 2.5 m / 8.2 ft @ 20 °C / 68 °F; Withstands 50 drops from 2.0 m / 6.6 ft @ -20 °C / -4 °F
Tumble	5,000 @ 1 m / 3.3 ft
Trigger Resistance	Withstands 10 million hits
ESD Protection (Air Discharge)	20 kV
Humidity (Non-Condensing)	0 - 95%
Particulate and Water Sealing	IP67 and IP65
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

Interfaces	RS-232 / USB

PHYSICAL CHARACTERISTICS

Colors Available	Yellow/Black
Dimensions H x L x W	19.0 x 14.0 x 7.9 cm / 7.5 x 5.5 x 3.1 in
Weight	318.0 g / 11.2 oz

READING PERFORMANCE

Imager Sensor	PD9630-SR/HP: 1280 x 800 PD9630-DC: 1280 x 800 color sensor
Light Source	Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 52°; Roll (Tilt): 360°; Skew (Yaw): +/- 52°
Field Of View	SR and HP: 38° H, 24° V DC: 50° H, 33° V
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology for good-read feedback; Datalogic 'Green Spot' on the Code; Dual Good Read LEDs; Vibration.
Resolution (Maximum)	PD9630-SR/PD9630-DC: 1D Codes: 3 mil; 2D Codes: 6 mil PD9630-HP: 1D Codes: 2.5 mil; 2D Codes: 4 mil

DECODING CAPABILITY

Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

PD9630-SR
Code 128
5 mils: 6.4 to 30.9 cm / 2.5 to 12.2 in
20 mils: 4 to 103.7 cm / 1.6 to 40.8 in
40 mils: 5.5 to 175 cm / 2.2 to 68.9 in
EAN/UPC 13 mils: 4 to 67.5 cm / 1.5 to 26.5 in
DataMatrix 10 mils: 6 to 30 cm / 2.5 to 11.8 in

PD9630-DC
5 mils: 3.1 to 39.7 cm / 1.2 to 15.6 in
20 mils: 3.5 to 119.1 cm / 1.3 to 46.9 in
DataMatrix 10 mils: 4.2 to 30.2 cm / 1.6 to 11.8 in

PD9630-HP
Code 128
2.5 mils: 6.3 to 11.5 cm / 2.5 to 4.5 in
5 mils: 3.8 to 41 cm / 1.5 to 16.1 in
20 mils: 4 to 157 cm / 1.6 to 61.8 in
40 mils: 5.5 to 242.9 cm / 2.1 to 95.6 in
EAN/UPC 13 mils: 4 to 120 cm / 1.5 to 40.2 in
PDF417 10 mils: 0.5 to 46.1 cm / 0.2 to 18.1 in
DataMatrix 4 mils: 6.5 to 9.3 cm / 2.5 to 3.6 in
DataMatrix 10 mils: 4.2 to 32 cm / 1.6 to 12.6 in

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum 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 LED Class: Exempt

UTILITIES

Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS Utilities are available for download at no charge.
Remote Host Download	Available on request

WARRANTY

Warranty	3-Year Factory Warranty

ACCESSORIES

Cases / Holsters



HLS-P080 Universal Holster
(HLS-8000)

Mounts / Stands



STD-P096 Stand, Hands-free
(STD-9600)



HLD-P096 Desk/Wall Holder
(HLD-9600)



7-0404 Industrial Take-Up Reel

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