

# POWERSCAN™ PD9531-AR



## INDUSTRIAL 2D AREA IMAGER

The PowerScan 9000 product series is Datalogic's premium line of rugged industrial handheld data collection products. The PowerScan PD9531-AR 2D imager offers state-of-the-art performance in a corded industrial product.

## SUPERIOR READING PERFORMANCE

The PowerScan 9531 Auto Range (AR) imager can read 1D/2D barcodes with an extended reading range. Its powerful autofocus system allows the scanner to read from a short distance of 15 cm / 6 in to a distance of more than 20 m / 65 ft because of the fast focus adjustment, allowing the operator to easily read a close up barcode and then focus at the top of a warehouse rack.

## BUILT TO LAST

The PD9531-AR imagers' mechanics have been developed and tested to withstand extreme environmental conditions, maintaining consistent reading performance without degrading performance or reliability. Its ergonomic enclosure is lightweight and well-balanced to ensure optimal operator comfort during scan-intensive operations. A built-in metal tether hook for suspended applications ensures workplace productivity.

## USER-FRIENDLY INTERFACES FOR ANY SCANNING SITUATION

All models have multi-interface capabilities built in featuring the most popular interfaces: RS-232, Keyboard Wedge and USB. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.

## FEATURES

- Optics: Auto Range: > 20 m / 65 ft
- Datalogic's 3GL technology and a loud beeper for good-read feedback
- Fast Autofocus system - reads up to 3 mils
- Built-in multiple interfaces (RS-232, Keyboard Wedge and USB)
- Operates over a wide range of temperatures
- Water and Particulate Sealing Rating: IP65
- Drop resistance to 2.0 m / 6.5 ft
- Ergonomic shape provides hours of tireless data collection for the user
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI.

## INDUSTRY - APPLICATION

- **Factory Automation:**
  - Material Picking
  - Shipping / Receiving
  - Order Processing
- **Manufacturing Shop Floor:**
  - Work-in-Progress
  - Component Tracking
- **Warehouse / Logistic Centers:**
  - Forklift Picking Applications
  - Shipping / Receiving
  - Parcel Preparation



# TECHNICAL SPECIFICATIONS

## DECODING CAPABILITY

<b>1D / Linear Codes</b>	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
<b>2D Codes</b>	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
<b>Postal Codes</b>	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post
<b>Stacked Codes</b>	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

<b>Current</b>	Operating (Max. reading): 500 mA @ 4.5 V Idle/Stand by (Typ.): 120 mA
<b>Input Voltage</b>	4.5 - 30 VDC

## ENVIRONMENTAL

<b>Ambient Light</b>	Immune to light exposure in offices/facilities and direct exposure to sunlight.
<b>Drop Resistance</b>	Withstands 50 drops from 2.0 m / 6.5 ft to concrete
<b>ESD Protection (Air Discharge)</b>	20 kV
<b>Humidity (Non-Condensing)</b>	0 - 95%
<b>Particulate and Water Sealing</b>	IP65
<b>Temperature</b>	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

## INTERFACES

<b>Interfaces</b>	Keyboard Wedge; RS-232; USB
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## PHYSICAL CHARACTERISTICS

<b>Colors Available</b>	Yellow/Black
<b>Dimensions</b>	21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
<b>Weight</b>	400 g / 14.1 oz

## READING PERFORMANCE

<b>Light Source</b>	LED
<b>Print Contrast Ratio (Minimum)</b>	15%
<b>Reading Angle</b>	Pitch: +/- 80°; Roll (Tilt): +/- 180°; Skew (Yaw): +/- 60°
<b>Field of View</b>	Near Field: 14°(H) x 10.5°(V); Over 3 m / 10 ft: 14.4°(H) x 10.8°(V)
<b>Reading Indicators</b>	Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback; Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
<b>Resolution (Maximum)</b>	1D Codes: 3 mils 2D Codes: 4 mils

## READING RANGES

<b>Typical Depth of Field</b>	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.
<b>EAN 13:</b>	20 to 290 cm / 7.8 to 114.1 in
<b>Code 39:</b>	10 mils: 15 to 160 cm / 5.9 to 63.0 in 40 mils: 50 to 1,100 cm / 20.0 to 433.0 in 100 mils: up to 2,300 cm / 75.0 ft
<b>Code 128:</b>	15 mils: 30 to 330 cm / 11.8 to 129.9 in 40 mils: 60 to 850 cm / 23.6 to 335.0 in 100 mils: up to 20 m / 65.0 ft
<b>DataMatrix:</b>	10 mils: 20 to 85 cm / 7.8 to 33.5 in 55 mils: 30 to 550 cm / 11.8 to 216.5 in 100 mils: 30 to 880 cm / 11.8 to 349.5 in 200 mils: up to 20 m / 65 ft

Note: Reading performances may change with different symbologies; Reading performances @ 300 lux of ambient light.

## SAFETY & REGULATORY

<b>Agency Approvals</b>	The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details.
<b>Environmental Compliance</b>	Complies to EU RoHS; Complies to China RoHS
<b>Laser Classification</b>	Caution Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825-1 Class 2
<b>LED Classification</b>	IEC 62471 Exempt Risk Group

## UTILITIES

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

## WARRANTY

<b>Warranty</b>	3-Year Factory Warranty
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## ACCESSORIES

### Cases/Holsters



HLS-P080 Universal Holster (HLS-8000)

### Mounts/Stands



STD-P090 Stand, Hands-free (STD-9000)



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

### Miscellaneous



7-0404 Industrial Take-Up Reel