◆DATALOGIC
EMPOWER YOUR VISION

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

PANDA PRODUCTS
Barcode-Systeme GmbH

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 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

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

ENVIRONMENTAL

Ambient Light	Immune to light exposure in offices/facilities and direct exposure to sunlight.
Drop Resistance	Withstands 50 drops from 2.0 m / 6.5 ft to concrete
ESD Protection (Air Discharge)	20 kV
Humidity (Non-Condensing)	0 - 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

INTERFACES

Interfaces	Keyboard Wedge; RS-232; USB

PHYSICAL CHARACTERISTICS

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

READING PERFORMANCE

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

READING RANGES

Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.
	
	EAN 13: 20 to 290 cm / 7.8 to 114.1 in
	Code 39: 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
	Code 128: 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
	DataMatrix: 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

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

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

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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