



## INDUSTRIAL CORDED HANDHELD AREA IMAGER BAR CODE READER

Warehouses, logistic centers and manufacturing plants depend on speed and reliability when managing goods and tracking merchandise in order to improve efficiency while reducing costs. Datalogic's PowerScan™ PD9500 area imager, the latest generation of rugged 2D area imagers, is the perfect answer for these applications.

An intuitive and effortless scanning experience is the target of the PowerScan™ 9500 family. It combines omnidirectional reading capabilities, which is 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, the PowerScan PD9500 area imager includes Datalogic's latest decoding software that guarantees snappy reading in any type of environment. Aim, trigger, decode: it is that simple!

User comfort is guaranteed because of the scanner ergonomics, consisting of the handle shape, a well-balanced weight and an intuitive aiming system, allowing the highest first-pass reading rate while reducing unnatural wrist movement or rotation which can tire any user during long shifts. Additionally, the PowerScan 9500 area imager uses a soft-pulsed white illumination light resulting in reduced flashes, which is very gentle on the eyes and less troublesome to the operator during scan-intensive applications.

The rugged mechanics of the PowerScan family guarantee reliable operation in the long term. Repeated shocks and indoor / outdoor usage in the toughest environmental conditions do not modify the scanners performance or reliability.

The PowerScan PD9500 area imager is available in 2 different models to meet the specific needs of each customer. The PD9530 model is geared towards customers needing high reading performance and speed on standard resolution codes. The PD9530-HP (High Performance) model is more versatile because of the advanced optics that combine high resolution bar code reading capability (up to 2.5 mils for linear codes) and wide angle image capture (A4 image size @ 25.0 cm / 0.8 ft), while maintaining an exceptional depth-of-field.

## FEATURES

- Snappy omnidirectional reading from contact to over 1.0 m / 3.3 ft
- Datalogic's new instinctive 'frame' aimer
- New 'soft 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
- Water and Particulate Sealing Rating: IP65



# SPECIFICATIONS

# POWERSCAN™ PD9500

## 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

CURRENT	Operating (Typical): PD9530/PD9530-HP: 335 mA PD9530-HPE: 135 mA @ 10 VDC Standby/Idle (Typical): PD9530/PD9530-HP: 180 mA PD9530-HPE: 50 mA @ 10 VDC
INPUT VOLTAGE	PD9530/PD9530-HP: 5 VDC +/- 10% PD9530-HPE: 10-30 VDC

## ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface
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

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## PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Yellow/Black; Other colors and custom logo options are available for minimum quantity purchase
DIMENSIONS	21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
WEIGHT	330.0 g / 11.6 oz

## READING PERFORMANCE

IMAGE CAPTURE	Graphic Formats: BMP, JPEG, TIFF Greyscale: 256, 16, 2; JPEG, TIFF
IMAGER SENSOR	PD9530: 864 x 544; PD9530-HP/PD9530-HPE: 1280 x 1024
LIGHT SOURCE	Aiming: 630 - 680 nm VLD Illumination: White LED reading light
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)	PD9530: 1D Codes: 4 mil; 2D Codes: 7.5 mil PD9530-HP/PD9530-HPE: 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.
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### PD9530

4 mils: 6.0 to 17.0 cm / 2.3 to 6.7 in  
13 mils: 4.0 to 45.0 cm / 1.5 to 17.7 in  
20 mils: 4.0 to 55.0 cm / 1.5 to 21.6 in  
40 mils: 4.0 to 85.0 cm / 1.5 to 33.4 in  
10 mils PDF417: 2.0 to 25.0 cm / 0.8 to 9.8 in  
7.5 mils Data Matrix: 9.0 to 12.0 cm / 3.5 to 4.7 in  
10 mils Data Matrix: 4.0 to 18.0 cm / 1.5 to 7.0 in

### PD9530-HP / PD9530-HPE

2.5 mils: 2.0 to 6.0 cm / 0.8 to 2.3 in  
13 mils: 3.0 to 60.0 cm / 1.1 to 23.6 in  
20 mils: 3.0 to 70.0 cm / 1.1 to 27.5 in  
40 mils: 3.0 to 110.0 cm / 1.1 to 43.3 in  
10 mils PDF417: 2.0 to 30.0 cm / 0.8 to 11.8 in  
4 mils Data Matrix: 2.0 to 6.0 cm / 0.8 to 2.3 in  
10 mils Data Matrix: 2.0 to 20.0 cm / 0.8 to 7.8 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
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## ACCESSORIES

### Cases/Holsters

- HLS-P080 Universal Holster (HLS-8000)



### Mounts/Stands

- 7-0404 Industrial Take-Up Reel
- HLD-P080 Desk/Wall Holder (HLD-8000)

