POWERSCAN™ PD9531

ODATALOGIC



AIM, TRIGGER, DECODE: IT'S THAT SIMPLE!

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 PD9531 area imager includes Datalogic's latest decoding software that guarantees snappy reading in any type of environment. Aim, trigger, decode: it is that simple!

DEVELOPED WITH THE USER IN MIND

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 9531 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.

BUILT TO LAST

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.

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
- 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
- · Manufacturing Shop Floor
 - Shipping / Receiving
 - Parcel Preparation
 - Picking / Put Away
 - · Automatic Sorting Back-Up
 - End of Line Sorting











POWERSCAN™ PD9531

TECHNICAL SPECIFICATIONS

Postal Codes Post; Planet Code; Portuguese Post; Postnet; Roya Mail Code (RM4SCC); Swedish Post EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Stacked; GS1 DataBar Sta		
GS1 DataBar™ linear codes. Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code Australian Post; China Post; IMB; Japanese Post; K Post; Planet Code; Portuguese Post; Postnet; Roya Mail Code (RM4SCC); Swedish Post EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Stacked; GS1 DataBar Stac	DECODING CAPABI	LITY
MaxiCode; Micro QR Code; QR Code Australian Post; China Post; IMB; Japanese Post; K Post; Planet Code; Portuguese Post; Postnet; Roya Mail Code (RM4SCC); Swedish Post EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Stacked; GS1 DataBar Stacked GS1	1D / Linear Codes	
Postal Codes Post; Planet Code; Portuguese Post; Postnet; Roya Mail Code (RM4SCC); Swedish Post EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Stacked; GS1 DataBar Sta	2D Codes	,
DataBar Expanded Stacked; GS1 DataBar Stacked GS1 DataBar Stacked GS1 DataBar Stacked; GS1 DataBar Stacked GS1 DataBar Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked GS1 DataBar Stacked; GS1 DataBar	Postal Codes	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post
Current Operating (Typical): PD9531/PD9531-HP: 335 mA PD9531-HPE: 135 mA @ 10 VDC Standby/Idle (Typical): PD9531/PD9531-HP: 180 m. PD9531-HPE: 50 mA @ 10 VDC Input Voltage PD9531/PD9531-HP: 5 VDC +/- 10% PD9531-HPE: 10-30 VDC ENVIRONMENTAL Ambient Light O - 100,000 lux Humidity (Non-condensing) Temperature Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface Particulate and Water Sealing ESD Protection (Air Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Colors Available Yellow/Black; Other colors and custom logo option 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	Stacked Codes	GS1 DataBar Stacked Omnidirectional; MacroPDF;
Current PD9531-HPE: 135 mA @ 10 VDC Standby/Idle (Typical): PD9531/PD9531-HP: 180 m. PD9531-HPE: 50 mA @ 10 VDC Input Voltage PD9531/PD9531-HP: 5 VDC +/- 10% PD9531-HPE: 10-30 VDC ENVIRONMENTAL Ambient Light 0 - 100,000 lux Humidity (Non-condensing) 10 to 90% at 40 °C / 104 °F; non-condensing Temperature Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface Particulate and Water Sealing ESD Protection (Air Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Colors Available Yellow/Black; Other colors and custom logo option 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	ELECTRICAL	
Input Voltage PD9531-HPE: 10-30 VDC ENVIRONMENTAL Ambient Light Humidity (Non-condensing) Temperature Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface Particulate and Water Sealing ESD Protection (Air Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Colors Available Yellow/Black; Other colors and custom logo option 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	Current	PD9531-HPE: 135 mA @ 10 VDC Standby/Idle (Typical): PD9531/PD9531-HP: 180 mA
Ambient Light 0 - 100,000 lux Humidity (Non-condensing) 10 to 90% at 40 °C / 104 °F; non-condensing Temperature Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F Drop Resistance Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface Particulate and Water Sealing IP65 ESD Protection (Air Discharge) 20 kV INTERFACES RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Yellow/Black; Other colors and custom logo option 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	Input Voltage	
Humidity (Non-condensing) 10 to 90% at 40 °C / 104 °F; non-condensing Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface Particulate and Water Sealing ESD Protection (Air Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Colors Available Yellow/Black; Other colors and custom logo option 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	ENVIRONMENTAL	
Temperature Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface Particulate and Water Sealing ESD Protection (Air Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Yellow/Black; Other colors and custom logo option 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	Ambient Light	0 - 100,000 lux
Storage/Transport: -40 to 70 °C / -40 to 158 °F	Humidity (Non-condensing)	10 to 90% at 40 °C / 104 °F; non-condensing
Particulate and Water Sealing ESD Protection (Air Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Colors Available Yellow/Black; Other colors and custom logo option 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	Temperature	1 3
Sealing ESD Protection (Air Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Colors Available Yellow/Black; Other colors and custom logo option 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	Drop Resistance	
Discharge) INTERFACES Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Colors Available Yellow/Black; Other colors and custom logo option 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		IP65
Interfaces RS-232 / USB / Keyboard Wedge Multi-Interface PHYSICAL CHARACTERISTICS Vellow/Black; Other colors and custom logo option 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		20 kV
PHYSICAL CHARACTERISTICS Yellow/Black; Other colors and custom logo option 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	INTERFACES	
Colors AvailableYellow/Black; Other colors and custom logo option are available for minimum quantity purchaseDimensions21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in	Interfaces	RS-232 / USB / Keyboard Wedge Multi-Interface
Dimensions are available for minimum quantity purchase 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in	PHYSICAL CHARACTERISTICS	
	Colors Available	Yellow/Black; Other colors and custom logo options are available for minimum quantity purchase
Weight 330.0 g / 11.6 oz	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

DEADING DEDEADA	AANGEC	
READING PERFORMANCES		
Image Capture	Graphic Formats: BMP, JPEG, TIFF Greyscale: 256, 16, 2; JPEG, TIFF	
Image Sensor	PD9531: 864 x 544; PD9531-HP/PD9531-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)	PD9531: 1D Codes: 4 mil; 2D Codes: 7.5 mil PD9531-HP/PD9531-HPE: 1D Codes: 2.5 mil; 2D Codes: 4 mil	

Typical Depth of Field scan angle.

Minimum distance determined by symbol length and Printing resolution, contrast, and ambient light dependent.

PD9531

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 10 mils Data Matrix: 4.0 to 18.0 cm / 1.5 to 7.0 in

PD9531-HP / PD9531-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 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: 2.0 to 20.0 cm / 0.8 to 7.8 in

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

Case/Holsters



• HLS-P080 Universal Holster (HLS-8000)

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

Mounts/Stands



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



• 7-0404 Industrial Take-Up Reel

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