

Specifications

DECODING CAPABILITY

1D / LINEAR CODES Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes
 STACKED CODES Code 16K; Code 49; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

CURRENT Operating (Typical): D8330: 420 mA @ 4 V; 310 mA @ 5 V; 62 mA @ 30 V
 D8340: 500 mA @ 4 V; 370 mA @ 5V; 70 mA @ 30 V
 Standby/Idle (Typical): 4 mA
 INPUT VOLTAGE 4 - 30 VDC

ENVIRONMENTAL

AMBIENT LIGHT Immune to light exposure in offices/facilities and direct exposure to sunlight
 DROP RESISTANCE Withstands 50 drops from 2 m / 6.6 ft to concrete
 ESD PROTECTION (AIR DISCHARGE) 20 kV
 HUMIDITY (NON-CONDENSING) 90%
 PARTICULATE AND WATER SEALING IP65
 TEMPERATURE Operating: -30 to 50 °C / -22 to 122 °F
 Storage/Transport: -30 to 50 °C / -22 to 122 °F

INTERFACES

Keyboard Wedge; RS-232; Undecoded Laser Output-Model D8340 Only; USB; Wand

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE Yellow/Black
 DIMENSIONS 20.7 x 11.4 x 6.9 cm / 8.1 x 4.5 x 2.7 in
 WEIGHT 295.0 g / 10.4 oz

READING PERFORMANCE

LIGHT SOURCE 630 - 680 nm VLD
 Aiming: 630 - 680 nm VLD, Activated by 'Double-Click' Trigger
 15%
 PRINT CONTRAST RATIO (MINIMUM) 35 +/- 5 scans/sec.
 READ RATE (MAXIMUM) Pitch: 5 to 55° / -5 to -55°; Roll (Tilt): +/- 20°; Skew (Yaw): +/- 60°
 READING ANGLE Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback:
 READING INDICATORS Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
 RESOLUTION (MAXIMUM) D83X0: 0.076 mm / 3 mils; D83X0 Auto Range: 0.190 mm / 7.5 mils

READING RANGES

TYPICAL DEPTH OF FIELD Minimum distance determined by symbol length and scan angle.
 Printing resolution, contrast, and ambient light dependent.
 PD8300 5 mils: 2,1 to 13,3 cm / 0,8 to 5,2 in
 7,5 mils: 3,5 to 24,2 cm / 1,4 to 9,5 in
 10 mils: 2,9 to 42,8 cm / 1,1 to 16,8 in
 13 mils: 2,3 to 55,1 cm / 0,9 to 21,7 in
 20 mils: 6,3 to 78,5 cm / 2,5 to 30,9 in
 40 mils: 2,5 to 97,8 cm / 1,0 to 38,5 in
 PD8300 AR 7,5 mils: 7,0 to 46,5 cm / 2,7 to 18,3 in
 10 mils: 10,8 to 99,9 cm / 4,2 to 39,3 in
 13 mils: 12,7 to 147,3 cm / 5,0 to 58,0 in
 20 mils: 7,0 to 215,9 cm / 2,7 to 85,0 in
 40 mils: 16,0 to 340,0 cm / 6,3 to 133,8 in
 55 mils: 0,2 to 4,1 m / 0,7 to 13,5 ft
 Reflective -100 mils: 0,5 to 15,0 m / 1,6 to 49,2 ft

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 EU RoHS
 LASER CLASSIFICATION Caution Laser Radiation - Do not stare into beam
 CDRH Class II
 IEC 60825-1 Class 2

UTILITIES

DATALOGIC ALADDIN™ Datalogic Aladdin configuration program is available for download at no charge

WARRANTY

3-Year Factory Warranty



Cases/Holsters

- 11-0138 Heated Holder, 36 VDC
- 11-0139 Heated Holder, 24 VDC
- 11-0140 Heated Holder, 48 VDC
- HLS-P080 Universal Holster (HLS-8000)
- PC-P080 Protective Case/Belt Holster (PC-8000)



Mounts/Stand

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

© 2007-2009 Datalogic Scanning Inc.

All rights reserved. • Protected to the fullest extent under U.S. and international laws.
 • Copying, or altering of this document is prohibited without express written consent from Datalogic Scanning, Inc.

Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo, 3GL, Datalogic Aladdin and PuzzleSolver are trademarks of Datalogic S.p.A. • PowerScan is a trademark of Datalogic Scanning Inc.

Other brand and product names may be trademarks of their respective owners.

Product specifications are subject to change without notice.

DS-POWERSCANPD8300-ENA4 20090716

www.scanning.datalogic.com