POWERSCAN™ 9500-DPM EVO �∂ATALOGIC



DPM TECHNOLOGY

Direct Part Marking (DPM) is a process that allows users to imprint a bar code directly on an item instead of printing the code on a paper label. Different technologies are available to directly mark objects: laser/ chemical etching, dot peening and ink jet printing. Each of these methods have specific advantages and disadvantages in terms of durability, cost and ease of reading.

The PowerScan™ 9500-DPM Evo series of scanners are rugged handheld area imagers specifically addressed and capable of reading codes marked with DPM.

READING CAPABILITIES

The PowerScan DPM series include the latest optics and software from Datalogic to make the reading of codes with DPM easy and intuitive. The typical reading distance is from contact to 4-5 cm / 1.5-1.9 in, depending on the DPM technology used, the code resolution, and the material and surface type. The scanner is also capable of reading standard bar codes on printed labels. High density optics allow the capture of very small, high-resolution codes in a range from near contact up to 15.0 cm / 5.9 in. The intuitive aiming system provides the highest first-pass reading rates. A soft pulsed white illumination light results in reduced flashes and is very gentle to the eyes.

FULL CONNECIVITY

The PM9500 DPM Evo series offers the display option with 4 configurable keys. This increases interaction between the host and the user allowing a two-way exchange of information for more reliable and effective communications.

The BC9180 is provided with Standard Multi-Interface: USB-KBD, USB-COM, USB-OEM, RS-232 and Ethernet connectivity: Telnet, Web Server, Data Socket, Ethernet/IP.

MOTIONIX[™] MOTION-SENSING TECHNOLOGY

Datalogic's Motionix[™] motion-sensing technology detects the natural actions of the operator to automatically switch the scanner into the desired scanning mode.





FEATURES

- Enhanced Decoding software will support any kind of Direct Part Marking (DPM) technology
- Snappy omnidirectional reading
- Intuitive aiming system
- Soft white light illumination
- Available with optional display with 4-keys
- Datalogic's Motionix[™] motion-sensing
- technology
- Ergonomic shapeImage capture
- Image capture
 Datalogic's 3GL[™] (3 Green Lights) technology
- and loud beeper for good-read feedback
 Water and Particulate Sealing Rating: IP65
- 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
- Cordless Products
- Bluetooth® 3.0 Compliant, Class 1
- STAR Cordless System™ available in 433 MHz or 910 MHz
- Ethernet Connectivity (Standard and Industrial)

INDUSTRY-APPLICATIONS

- Manufacturing Shop Floor
 - Work-in-Progress
 - Sub-Assembly
 - Component Tracking
 - Quality Control
 - Time and Cost Analysis
 - Line Inventory Control

POWERSCAN™ PD9500-DPM EVO �∂ATALOGIC

TECHNICAL SPECIFICATIONS

| DECODING CAPABILITY | | | |
|---|--|--|--|
| D / 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 STACKED CODES | Postnet; Royal Mail Code (RM4SCC) 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 | composites | | |
| CURRENT | Operating (Typical): 350 mA Standby/Idle (Typical): 120 mA | | |
| INPUT VOLTAGE | 5 VDC +/- 10% | | |
| 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) PARTICULATE AND WATER SEALING | 0 - 95% IP65 | | |
| TEMPERATURE | Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F | | |
| INTERFACES | | | |
| INTERFACES | RS-232 / USB / Keyboard Wedge Multi-Interface | | |
| PHYSICAL CHARACTERISTICS | | | |
| COLORS AVAILABLE | Yellow/Black; Other colors and custom logo options are available for minimum quantity | | |
| DIMENSIONS | purchase. 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 | | | |
| DIRECT PART MARKING (DPM) CAPABILITY | Codes are readable when marked by laser or chemical etching or ink jet printed; Data Matrix codes are also readable when marked by dot | | |
| IMAGE CAPTURE | peening Graphic Formats: BMP, JPEG, TIFF | | |
| | Greyscale: 256, 16, 2; JPEG, TIFF | | |
| IMAGER SENSOR | 864 x 544 | | |

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)

Cases/Holsters

S

ACCESSORIE:



HLS-P080 Universal Holster (HLS-8000)

Mounts/Stands



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

1D Codes: 2.5 mil; 2D Codes: 4 mil

EADING RANGES

PICAL DEPTH OF FIELD

epth of Field ranges on bar codes printed with DPM technology may vary depending the printing technology, the code type and the resolution of the code. Other factors clude the surface material the DPM technology is used on (metal, plastic, shiny or lished, opaque, etc.). The following specs represent standard bar codes that are aditionally printed black on white on paper labels.

| 2 mils | 2.8 to 6.3 cm / 1.1 to 2.4 in |
|---------------------|--------------------------------|
| 2.5 mils | 2.5 to 7.8 cm / 0.9 to 3.0 in |
| 5 mils | 1.2 to 9.0 cm / 0.4 to 3.5 in |
| 4 mils Data Matrix | 2.6 to 5.2 cm / 1.0 to 2.0 in |
| 5 mils Data Matrix | 2.2 to 7.2 cm / 0.8 to 2.8 in |
| 10 mils Data Matrix | 2.0 to 10.5 cm / 0.8 to 4.1 in |
| 5 mils PDF | 1.2 to 9.0 cm / 0.4 to 3.5 in |
| 10 mils PDF | 1.0 to 12.5 cm / 0.4 to 4.9 in |
| 13 mils EAN-13 | 2.5 to 16.0 cm / 0.9 to 6.3 in |
| | |

FETY & REGULATORY

| AGENCY APPROVALS ENVIRONMENTAL COMPLIANCE LASER CLASSIFICATION LED CLASSIFICATION UTILITIES | 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. Complies to China RoHS; Complies to EU RoHS; Comples to R.E.A.C.H. Caution Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825 Class 2 IEC 62471 Class 1 LED |
|---|---|
| DATALOGIC ALADDIN™ | Datalogic Aladdin configuration program is |
| OPOS / JAVAPOS | available for download at no charge. JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no |
| | charge. |

MOTE HOST DOWNLOAD

ARRANTY

ARRANTY

3-Year Factory Warranty

Available on request

• 7-0404 Industrial Take-Up Reel

POWERSCAN™ PBT9500-DPM EVO �∂ATALOGIC

CORDLESS COMMUNICATIONS ECHNICAL SPECIFICATIONS

| BLUETOOTH WIRELESS TECHNOLOGY | Piconet: Max. Readers per Radio Receiver Using Commercial Dongle: 7; Using Cradle: 4 | | | |
|-------------------------------|--|--|--|--|
| PROFILES | HID (Human Interface Device) SPP (Serial Port Profile) | | | |
| PROTOCOL RADIO FREQUENCY | Bluetooth® 3.0 Compliant, Class 1 2.40 to 2.48 GHz | | | |
| RADIO RANGE (OPEN AIR) | Class 1: Exceeds 90 m/295 ft Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results. | | | |
| SECURITY | Data Encryption; Scanner Authentication | | | |
| 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; | | | |

Aztec Code: China Han Xin Code: Data Matrix: MaxiCode; Micro QR Code; QR Code; Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post; EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

Battery Type: Lithium-Ion 2150 mAh Charge Time: External Power: 4 Hours; Host

Battery Charging (Red); Charge Completed

Charging (Typical): External Power: 800 mA @ 10

External Power: 10-30 VDC; POT: 5 VDC +/- 10%

Continuous Reading: 30,000 +

(Green); Power/Data (Yellow)

VDC; POT: 500 mA @ 5 VDC

Power: 10 Hours

150 mA @ 10 VDC

ELECTRICAL

POSTAL CODES

STACKED CODES

BATTERY

READS PER CHARGE CRADLE INDICATOR LEDS

CURRENT

OPERATING (TYPICAL) INPUT VOLTAGE

ENVIRONMENTAL

AMBIENT LIGHT DROP RESISTANCE

ESD PROTECTION (AIR DISCHARGE) HUMIDITY (NON-CONDENSING) PARTICULATE AND WATER SEALING **TEMPERATURE**

0 - 100.000 lux Cradle: Withstands 50 drops from 1.2 m / 3.9 ft onto a concrete surface PBT9500: Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface 20 kV 95% IP65 Operating: -20 to 50 °C / -4 to 122 °F Battery $\bar{Charging}$: 0 to 45 °C / -32 to 113 °F Storage/Transport: -40 to 70 °C / -40 to 158 °

INTERFACES

INTERFACES

RS-232 / USB / Keyboard Wedge Multi-Interface; Optional Ethernet (Standard, Industrial)

| PHYSICAL CHARACTERISTICS | | | |
|---|---|--|--|
| COLORS AVAILABLE DIMENSIONS | Yellow/Black Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PBT9500: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in | | |
| WEIGHT | PBT9500: 380.0 g / 13.4 oz | | |
| READING PERFORMANCE | | | |
| DIRECT PART MARKING (DPM) CAPABILITY | Codes are readable when marked by laser or chemical etching or ink jet printed; Data Matrix codes are also readable when marked by dot peening | | |
| IMAGE CAPTURE | Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2 | | |
| IMAGER SENSOR | 864 x 544 | | |
| LIGHT SOURCE | Aiming: 630 - 680 nm VLD Illumination: White LEDs | | |
| PRINT CONTRAST RATIO (MINIMUM) | 15% Diale ((0) D (((T))) 2000 Cl (((())) | | |
| READING ANGLE READING INDICATORS | Pitch:+/- 40°; Roll (Tilt): 360°; Skew (Yaw):+/- 40° Beeper (Adjustable Tone and Volume); Datalogic's 3GL [™] (Three Green Lights) technology and loud beeper for good-read feedback: Datalogic | | |
| RESOLUTION (MAXIMUM) | 'Green Spot' on the Code, Dual Good Read LEDs 1D Codes: 2.5 mil; 2D Codes: 4 mil | | |
| READING RANGES | | | |
| on the printing technology, the code include the surface material the DPM | rinted with DPM technology may vary depending type and the resolution of the code. Other factors / technology is used on (metal, plastic, shiny or specs represent standard bar codes that are in paper labels. | | |
| 2 mils | 2.8 to 6.3 cm / 1.1 to 2.4 in | | |
| 2.5 mils | 2.5 to 7.8 cm / 0.9 to 3.0 in | | |
| 5 mils 4 mils Data Matrix | 1.2 to 9.0 cm / 0.4 to 3.5 in 2.6 to 5.2 cm / 1.0 to 2.0 in | | |
| 5 mils Data Matrix | 2.2 to 7.2 cm / 0.8 to 2.8 in | | |
| 10 mils Data Matrix | 2.0 to 10.5 cm / 0.8 to 4.1 in | | |
| 5 mils PDF | 1.2 to 9.0 cm / 0.4 to 3.5 in | | |
| 10 mils PDF 13 mils EAN-13 | 1.0 to 12.5 cm / 0.4 to 4.9 in 2.5 to 16.0 cm / 0.9 to 6.3 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. | | |
| | Contraction and Booking and Booking and State and State | | |

LED CLASSIFICATION

LASER CLASSIFICATION

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





BC9030-BT Base/ Charger, Multi-Interface



BC9130-BT Base/Dual Charger, Multi-Interface BC9180-BT Base/Dual Charger, Multi-Interface/Ethernet (Standard, Industrial) Cases/Holsters



HLS-P080 Universal Holster (HLS-8000)



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

7-0404 Industrial Take-Up Reel

Caution Laser Radiation - Do not stare into beam

CDRH Class II: IEC 60825 Class 2

IEC 62471 Class 1 LED

3-Year Factory Warranty

POWERSCAN™ PM9500-DPM EVO �∂ATALOGIC

| | CORDLESS COMMUNICATIONS | | READING PERFORMANCE | | | | |
|------------------|--|---|---|---|---|--|--|
| IONS | DATALOGIC STAR CORDLESS SYSTEM™ | Effective Radiated Power: 433 MHz: <10 mW; 910 MHz: <50 mW Point-to-Point Configuration Multi-Point Configuration: | DIRECT PART MARKING (DPM) (| | Codes are readable when marked by laser or chemical etching or ink jet printed; Data Matrix codes are also readable when marked by dot peening | | |
| TAT | RADIO FREQUENCY RADIO RANGE (OPEN AIR) | Max. Readers per Radio Receiver: 32 433 MHz; 910 MHz 433 MHz: 100 m / 328 ft low speed; | IMAGER SENSOR LIGHT SOURCE | | 864 x 544 Aiming: 630 - 680 nm \ Illumination: White LEI | | |
| . SPECIFICATIONS | | 50 m / 164 ft high speed 910 MHz: 150 m / 492 ft low speed; 80 m / 262 ft high speed | PRINT CONTRAST RATIO (MIN READING ANGLE READING INDICATORS | | | | |
| | DECODING CAPABILITY | Seamless Roaming; Two Way Communications | | | | | |
| | 1D / LINEAR CODES | Autodiscriminates all standard 1D codes | | | Read LEDs | | |
| CHNICAL | 2D CODES | including GS1 DataBar™ linear codes Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; | | RESOLUTION (MAXIMUM) | | 1D Codes: 4 mil; 2D Codes: 7.5 mil | |
| NIC | POSTAL CODES | Australian Post; China Post; IMB; Japanese Pos KIX Post; Planet Code; Portuguese Post; Postn | | | | | |
| TECHI | STACKED CODES | Royal Mail Code (RM4SCC); Swedish Post; EAN/JAN Composites; GS1 DataBar Composite: GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites | Depth of Field ranges on bar codes printed with DPM technology may vary depending s; on the printing technology, the code type and the resolution of the code. Other factors include the surface material the DPM technology is used on (metal, plastic, shiny or | | | | |
| | ELECTRICAL | composites | 2 mils 2.5 mils | | 2.8 to 6.3 cm / 1.1 to 2. 2.5 to 7.8 cm / 0.9 to 3. | | |
| | BATTERY | Battery Type: Lithium-Ion 2150 mAh Charge Time: External Power: 4 Hours; Host Power: 10 Hours | 5 mils 4 mils Data Matrix 5 mils Data Matrix | | 2.5 to 7.8 cm / 0.9 to 3.0 in 1.2 to 9.0 cm / 0.4 to 3.5 in 2.6 to 5.2 cm / 1.0 to 2.0 in 2.2 to 7.2 cm / 0.8 to 2.8 in | | |
| | READS PER CHARGE Continuous Reading: 30,000 + CRADLE INDICATOR LEDS Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow) | | 10 mils Data Matrix 5 mils PDF 10 mils PDF 13 mils EAN-13 | 5 mils PDF 10 mils PDF | | 4.1 in 5 in ₄.9 in 5.3 in | |
| | CURRENT | Charging (Typical): External Power: 800 mA @ 10 VDC; POT: 500 mA @ 5 VDC | | IS IIIIS LAN-IS | | 111 0.1 | |
| | OPERATING (TYPICAL) INPUT VOLTAGE | 150 mA @ 10 VDC External Power: 10-30 VDC; POT: 5 VDC +/- 10% | SAFETY & REGULATORY AGENCY APPROVALS | | The product meets necessary safety and | | |
| | ENVIRONMENTAL | | | | Quick Reference Guide | or its intended use. The for this product can be ete list of certifications. | |
| | onto a concrete surface PM9500-DPM: Withstands 50 drops fr / 6.6 ft onto a concrete surface ESD PROTECTION (AIR DISCHARGE) HUMIDITY (NON-CONDENSING) PARTICULATE AND WATER SEALING TEMPERATURE Operating: -20 to 50 °C / -4 to 122 °F Battery Charging: 0 to 45 °C / -32 to 12 | Cradle: Withstands 50 drops from 1.2 m / 3.9 ft | | ICE | Complies to China RoH Complies to R.E.A.C.H. | S; Complies to EU RoHS; | |
| | | PM9500-DPM: Withstands 50 drops from 2.0 n / 6.6 ft onto a concrete surface 20 kV | LASER CLASSIFICATION n LED CLASSIFICATION | | Caution Laser Radiatio CDRH Class II: IEC 6082 IEC 62471 Class 1 LED | n - Do not stare into beam 5 Class 2 | |
| | | | | | | | |
| | | IP65 | UTILITIES DATALOGIC ALADDIN™ | | Datalogic Aladdin confi | guration program is | |
| | | Battery Charging: 0 to 45 °C / -32 to 113 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F | | available for download at no charge JavaPOS Utilities are available for down | | at no charge vailable for download at no | |
| | INTERFACES | | | | charge; OPOS Utilities are available for download at no charge Available on request | | |
| | INTERFACES | RS-232 / USB / Keyboard Wedge Multi-Interfa Optional Ethernet (Standard, Industrial) | | | , wandbie offrequest | | |
| | PHYSICAL CHARACTERISTICS | | WARRANTY | | 3-Year Factory Warran | ty | |
| | COLORS AVAILABLE PM9500-DPM EVO DIMENSIONS | Yellow/Black Display with 4 configurable keys Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PM9500-DPM: 21.2 x 11.0 x 7.4 cm / | _ | | , | , | |
| | WEIGHT | 8.3 x 4.3 x 2.9 in PM9500-DPM: 380.0 g/13.4 oz | | | | | |
| БS | Base Stations/Chargers | | Cases/Holsters | ses/Holsters Mounts/S | | Stands | |
| CESSORIES | • BC9030-433 / BC9030-910 • BC9030-433 / BC9030-910 • BC9130-433 / BC9130-910 Base/Dual Charger, Multi-Interface • BC9160-433 / BC9160-910 Base/Dual Charger, | | | | | | |
| ACC | Base/Charger, Multi-Interface | Multi-Interface/RS-485 ■ BC9180-433 / BC9180-910 Base/Dual Charger, Multi-Interface/Ethernet (Standard, Industrial) | • HLS-P080 Universal Holster (HLS-8000) | ■ HLD-P08 (HLD-800 | 0 Desk/Wall Holder)0) | ال 7-0404 Industrial Take-Up Reel | |

© 2013-2015 Datalogic ADC, 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 ADC, Inc. • Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S.A. and the E.U. • 3GL is a registered trademark of Datalogic ADC Srl. • Motionix is a trademark of Datalogic ADC, Inc. • Datalogic

www.datalogic.com



www.L-TronDirect.com

800-830-9523

info@L-Tron.com

596 Fishers Station Dr | Victor, NY | 14564 | Suite 1 A

Get in touch with us on social media!

www.L-Tron.com