POWERSCAN™ PD8590-DPM

⊕DATALOGIC

DPM TECHNOLOGY

Direct Part Marking (DPM) is a process for imprinting a bar code directly on an item or surface 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.

Datalogic's PowerScan™ PD8590-DPM imager is an ultra-high performance rugged handheld reader specifically designed for and capable of reading codes marked with DPM.

With a perfect combination of embedded multiple lighting systems and aggressive decoding algorithms, the PD8590-DPM imager is able to read any challenging code marked with DPM.

ILLUMINATION

The embedded Multi-Axis Lighting technology creates an even illumination on all surfaces (flat, shiny, curved or codes marked with dot peening) and ensures reliable reading.

READING CAPABILITIES

The PowerScan PD8590-DPM imager is equipped with a processor capable of decoding multiple symbologies quickly, allowing the operator to function at maximum productivity. The PD8590-DPM imager is also very easy to use. The imager integrates an aiming system for simple point-and-click targeting with multiple systems (audible, visual and vibration) to provide real-time feedback indicating that a good read has occurred.

USB POWER CONNECTION

Easy connectivity and portability are ensured with a direct, single USB power connection. No additional power connection is required.

FEATURES

- Multi-Axis Illumination Technology
- Aggressive decoding of codes marked with DPM
- Industrial and rugged design
- Vibrating motor for noisy industrial environments
- USB and RS-232 interface options

INDUSTRY-APPLICATIONS

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

◆DATALOGIC

TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes
2D CODES	Data Matrix; Micro QR Code; QR Code
STACKED CODES	GS1 DataBar Composites; GS1 DataBar Stacked; PDF417

ELECTRICAL

CURRENT	Operating (Typical): 408 mA Standby/Idle (Typical): 285 mA
INPUT VOLTAGE	5 VDC +/- 10%

ENVIRONMENTAL

AMBIENT LIGHT	0 - 96,890 lux
DROP RESISTANCE	Withstands 50 drops from 1.8 m / 6.0 ft onto a concrete surface
HUMIDITY (NON-CONDENSING)	5 - 95%
TEMPERATURE	Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -20 to 65 °C / -4 to 150 °F

INTERFACES

INTERFACES	RS-232; USB

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Grey/Black
DIMENSIONS	18.0 x 11.4 x 6.3 cm / 7.0 x 4.3 x 2.5 in
WEIGHT	204.0 g / 7.2 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: JPEG, TIFF
IMAGER SENSOR	1280 x 1027 high resolution CMOS
LIGHT SOURCE	Dome: 630 nm (Red) and 470 nm (Blue) VLD Dark Field: Quadrant 30°, 630 nm (Red) VLD
READING ANGLE	Pitch: +/- 30°; Roll (Tilt): 180°; Skew (Yaw): +/- 30°
READING INDICATORS	Vibration mode, audible tones and visual feedback with multi-color LED and blue line targeting pattern
RESOLUTION (MAXIMUM)	1D Codes: 2.5 mil; 2D Codes: 4 mil

READING RANGES

TYPICAL DEPTH OF FIELD	0 to 5.1 cm / 0 to 2.0 in

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Product Reference Manual 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.
LED CLASSIFICATION	IEC 62471 Class 1 LED

UTILITIES

DATALOGIC ESP	Datalogic ESP configuration program is available for download at no charge.

WARRANTY

WARRANTY	2-Year Factory Warranty

ACCESSORIES

Cases/Holsters
- HLS-P080 Universal Holster (HLS-8000)

Mounts/Stands
- 7-0404 Industrial Take-Up Reel

About BarcodesInc

Who We Are

BarcodesInc is North America's leading provider of •]^&ãæ{ã^åÁãã aãædÁãæææÁ@æ¼å¸ æ¼^Áæ}åÁ^[¬ç¸ æ¼^Á^Á[|˘œÁ}•ĚÁU˘¦Á p¦[å˘&œ¼Áㄠ&¦¯ å^Áæ¼&[å^Á^Á&æ}}^¦•Ě¯Á[àã¯^Á&[{]˘œ¯Á*Á¼^çã&^•Ě¼ã^}œㄺæ¼{ }Á&æ¼åÁ˘˘ã¯{ ^}œ¼Á[ã¯åĚ¯[ã¯œĚÆÆæ¼^Á •^^c^{ •Ě¼ãæ¼&[å^Á¼ æ¼^|Áæ¯ åÁ^Á&¼ã oÁ¦ã¯ c^¦•Ě¼æ¼å¼&¼}•˘¯{ ææ¼|^•Ě¼æ¼ĄÁ-Á @¼&Á@Á@¼]]Á&˘•œ¼{ ^¦Á¼æ¼ }¦[ç^Á¼¦[å˘&ãã¼Á æ¼}åÁ¦¦[-ãæ¼æ¼à¼ãæ¼ĚÁU˘¦Á¦¦[å˘&ó¼æ¼ å¼Á[|˘œ¼}•Á˘¼ç]^¦ã¼o¼Á@æ¼^Á¼^^}Á^Á^¦ç㯠*Á¼æ¼[c@Á¼{ æ¼|¼æ¼˘¼•㯠^••^•Á¼æ¼å¼Áæ¼æ¼*^Á^}c¦|¦ãæ¼^•Á •ãã&^Á¼ÆJJIĚ

We Owe Our Success To You

Cœq¼Ác˘¯^Á¼c@æ¼æ¼æ¼æ¼å¼æ¼&¼ãã ¯*Á¼æ¼Á˘¦Á^¦çๆ^¦ã^œ¼Áoœ&˘¼•œ{ ¬^¦Áæ¼æ¼ã¼-œ&œã }Á¼æ¼Á˘¦Á˘^Á¼æ¼æ¼•ãã¯}ÁĚÁ^Á@œæ¼^Á¼ç¼^¦ã¼ãã ¯*Á [àã¼&ã¯^Á¼¼Á&¼•¼Á¼Á[¯Á¼¼o@Á&¼•œ{ ¬^¦ĚÁ^Á¼Áå^¦•㯠œ¼Á¼å¼o@æ¼æ¼Á&œ&¼•œ{ ¬^¦Á^¦|ç¼Á^^å¼æ¼¼Á}ã¯ ˘ĚÁ@^¼œœ¼¼ÁĚ @Á¼Á^Áㆠc¯} &œ¼^~¼||^Áã¯åÁå¼&œ¼æ¼¼Á|Á•ÁÁ[|˘œ¼}•Á¼œ¼œÁ^^oÁ[¯¦Á¼^^å¼•Ě¼^ã¼]¦^&ãæ¼^Áৠ@¼Á¼]]Á[¦ㆠ¼œ}¯}¼¼œ¼Á¼^¦|ç¼Á[¯Á¼æ¼å¼¼œ¼^ã¼œ¼ ^¼&^^åÁÁ[¯¦Á¼Á•Á[|˘œ¼}•Á¼&æ¼ã¼}•Á

Why Choose BarcodesInc?

Dedicated Account AῠbῠὟ Yf

Our Account Managers will not compromise when it comes to providing you top-notch service. Your Account Manager is the primary point of contact for your business and makes it a priority to get to know you, your company and all your needs.

Highly-Trained Technical Support

Our technical staff has the broadest knowledge and every significant certification in the industry. One of our friendly experts is always available to suggest products and solutions for any situation.

Incredible Value

Our purchasing power means big savings for you. Whatever your project, our team will work hard to deliver a solution that fits your budget.

Largest Inventory in the Industry and Same-Day Shipping

Whatever your barcoding, mobile computing, or printing needs, we will fill your order and ship it the sameÁåæ¼È

Premier Access to Top Manufacturers

BarcodesInc maintains strong strategic partnerships with the leading manufacturers in barcoding, mobile computing, printing and RFID.

Responsive Customer Service

Every phone call and email is responded to promptly, completely and accurately by our customer serviceÁc^æ¼È

Easy Returns

Damaged, defective or incorrectly ordered goods may be returned without hassle.

BRANDS

MOTOROLA

Intermec

Honeywell

◆DATALOGIC.

ᓴᐱᒪᐱ

datamax·o'neil

EPSON

elo
TOUCHSYSTEMS

star

unitech

POLYCOM

CISCO

Microsoft

hp invent

symbol

AND MORE