CODE READER™ 3600 DPM

Flexibility at its Finest.

The Code Reader™ 3600 (CR3600) features Direct Part Mark (DPM) reading capabilities, packing numerous features into its compact design. This sleek, wireless barcode reader has a color screen and keypad that allows users to manually enter data in real time. The screen provides a mobile solution for users who need instant visibility of scanned data. A reader that scans 1D, 2D, Postal and even Direct Part Mark (DPM) barcodes, is a reader that provides limitless possibilities.

Multiple scenarios. One reader.

CR3600 DPM has the ability to take on more than one workflow operation at a time. A variety of applications can be created and loaded onto the reader and can be accessed with a simple touch of a button. With a single scan of a barcode users can also direct the same data set to multiple applications. These features streamline workflow processes and ultimately lower costs by reducing the need to rely on numerous scanning devices.

For ease of customization and integration, a JavaScript license is included with each device, as well as multiple applications pre-installed with source code available for download from the Code website.

The CR3600 DPM can support inventory and quality control from the workers on the line, to tracking parts on shelves to assembly to audits. Multiple applications loaded on the device will support the specific needs of various business functions. The CR3600 DPM can track parts from shelf to assembly to audit, helping create a closed loop system of quality.

Features & Benefits

- Bright color display screen
- Lightweight models in palm and handled configurations
- Durable, quick-release rechargeable battery cartridges
- Battery status LED indicators with fuel gauge
- User feedback with vibration, audible tones and LED
- High speed, omnidirectional reading of 1D, 2D, Postal and Direct Part Mark barcodes
- Multiple programmable buttons for customized work flow processes
- IP54 housing securely protects electronics and optics
- Paging button assists in reader location (charging station with embedded CodeXML® modem option only)
- Reads barcodes on mobile devices
- CortexRM™ Remote Management ready
- Powerful data management capability with JavaScript

Palm configuration with charging station.

Applications

Manufacturing, inventory control, warehouse, public safety, event management, retail, shipping/receiving, age verification

Features at a glance

IMAGER	1D	2D	DPM	PDF	POSTAL	CortexRM™
JAVASCRIPT	USB	RS232	BLUETOOTH	Wi-Fi	MEMORY	SCREEN & KEYPAD

*USB and RS232 communication modes are available via CodeXML Modems.

Physical Characteristics

Palm Reader Dimensions	1.4" H X 5.1" L x 2.0" W (36mm H x 130mm L x 51mm W)
Handle Reader Dimensions	5.6" H x 5.1" L x 2.0" W (142mm H x 130mm L x 51mm W)
Charging Station Dimensions	2.4" H x 4.5" L x 3.3" W (60mm H x 115mm L x 83mm W)
Palm Reader Weight	5.5 oz (155.9 g)
Handle Reader Weight	6.9 oz (195.6 g)
Battery Weight	1.7 oz (48 g)
Charging Station with Embedded Modem Weight	4.3 oz (121.9 g)
Charging Station without Embedded Modem Weight	3.8 oz (107.7 g)
LCD Active Area Dimensions	1.04" H x 1" W (26.5mm H x 25.5mm W)
IP Rating	54

User Environment

Operating Temperature	-20° to 55° C / -4° to 131° F
Storage Temperature	-30° to 65° C / -22° to 150° F
Humidity	5% to 95% non-condensing
Decode Capability	**1D:** Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar (RSS), Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN
	Stacked 1D: Codablock F, MicroPDF, PDF417, GS1 Composite (CC-A/CC-B/CC-C)
	2D: Aztec Code, Data Matrix, Han Xin, MaxiCode, Micro QR, QR Code
	Proprietary 2D: GoCode® (Additional License Required)
	Postal Codes: Australian Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Postnet, UK Royal Mail, UPU ID-tags
	Direct Part Marks: Barcodes applied by laser etching, chemical etching, or inkjet. Data Matrix marks that are dot peened can also be read
Image Output Options	Formats: JPEG or PGM
Field Selection	High Density or Wide Field
Time Stamp	Real-Time Stamp
Data Editing	JavaScript / CodeXML® Rules

Working Ranges

CR3600 DPM Performance		
Test Barcode	**Min Inches (mm)**	**Max Inches (mm)**
3 mil Code 39	3.1" (80 mm)	4.0" (102 mm)
7.5 mil Code 39	1.3" (33 mm)	7.2" (182 mm)
10.5 mil GS1 DataBar	0.8" (20 mm)	8.7" (220 mm)
13 mil UPC	1.1" (28 mm)	11.0" (280 mm)
5 mil DM	1.7" (43 mm)	4.5" (115 mm)
6.3 mil DM	1.3" (33 mm)	5.9" (150 mm)
10 mil DM	0.8" (20 mm)	7.1" (180 mm)
20.8 mil DM	1.1" (28 mm)	13.5" (343 mm)

Note: Working ranges are a combination of both the wide and high density fields. All samples were high quality printed (black ink on white paper) barcodes and were read along a physical center line at a 10° angle. Default AGC settings were used. Accuracy= +/- 10%.

Performance Characteristics

Field of View	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 100 mm
Sensor	CMOS 1.2 Megapixel (1280 x 960) gray scale
Optical Resolution	High Density Field: 960 x 640 Wide Field: 960 x 640
Display Resolution	128 x 128 (RGB)
Pitch	$\pm$ 60° (from front to back)
Skew	$\pm$ 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	$\pm$ 180°
Print Contrast	25% (1D symbologies) or 35% (2D symbologies) absolute dark/light reflectance differential, measured at 650 nm
Target Beam	Single, blue targeting bar
Ambient Light Immunity	Sunlight: Up to 9,000ft-candles/96,890 lux
Shock	Withstands multiple drops of 6' (1.8 Meters) to concrete
Power Requirements	Reader @ 4.2vdc (mA): Typical = 179 mA; Peak = 331 mA; Idle = 101 mA; Sleep = 25 mA
	Charging Station with Embedded CodeXML® Modem: USB max charge rate = 542 mA USB trickle charge rate = 157 mA
	Charging Station with External CodeXML® M3 Modem: USB max charge rate = 495 mA USB trickle charge rate = 123 mA
Number of Scans	Up to 30,000 scans per charge
Memory Capacity	128MB Flash ROM, 32MB RAM
Bluetooth Modem	RS232, USB.2.0 (Generic HID, HID Keyboard, Virtual COM Port)
Communication Interfaces Operational Mode	Bluetooth (Class II)
Warranty	2 Years; extended service plan available

Accessories

- Lithium-Ion Battery
- Charging Station
- Charging Station with Embedded CodeXML® Modem
- CodeXML® M3 Modem (external)
- USB Charging Cable, US, Europe/South America, UK Power Supplies
- Various Cable Options Available. Visit www.codecorp.com/cables.php for a list of compatible cables
- Software Development Kits

For more info or to order, contact a Howard Representative at the number below.

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