CODE READER™ 5000

The smaller, faster barcode reader that keeps customers and data moving.

Designed for fast-paced environments, the CR5000 handles data from 1D, 2D and postal barcodes with speed and flexibility. Advanced data formatting capability provides dependable data integration into any platform, system or solution, including iOS applications; while customizable driver license formatting lets users target specific information to populate fields on loyalty, credit card applications, and more. Featuring image capture technology, the CR5000 lets users store coupons or signatures without specialized software. The CR5000 is more than a barcode reader, it's a tool that adds workflow efficiency.

Smart and reliable, the perfect barcode reading solution for high-traffic, fast-paced environments.

With rapid hands-free operation and optional trigger barcode reading, the CR5000 easily reads small, low-contrast and damaged barcodes on any surface type, including illuminated mobile device screens. No longer must mobile phones slow down the flow of customers through airline check-in or retail checkout. With an optional Age Verification mode the CR5000 additionally supports business security without sacrificing efficiency.

The CR5000 is an easy-to-configure, easy-to-use, multi-purpose barcode reading solution that will enhance operations in any industry.

Features & Benefits

- Hands-free operation or optional trigger reading large, heavy, bulk items
- Quickly reads barcodes from mobile device screens
- Compact, lightweight and ergonomic design
- User feedback with programmable LED and audible tone good read indicators
- Customizable driver license data formatting for loyalty and credit applications
- Optional Age Verification solution
- Data editing and formatting with JavaScript
- Compatible with Code's rapid disconnect USB, RS232 and Bluetooth Affinity® cables
- Efficient power consumption

Applications

Mobile coupons, ticketing (event, airline, cinema, etc), retail, price check stations, membership card registrations, libraries, convenience stores, employee time card tracking, admissions

Features at a Glance

IMAGER | 1D | 2D | PDF | POSTAL | CortexAM™

JAVASCRIPT | USB | RS232 | BLUETOOTH | MEMORY | SCREEN & KEYPAD

Physical Characteristics

CR5000 Dimensions	5.95" H x 2.80" L x 3.55" W (151.14 mm H x 71.23 mm L x 90.30 mm W)
CR5000 Weight	11.2 oz (318 g)
IP Rating	52

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, Interleaved 2 of 5, GS1 DataBar (RSS), Hong Kong 2 of 5, Maxtrix 2 of 5, MSI Plessey, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN
	Stacked 1D: GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
	2D: Aztec Code, Data Matrix, Micro QR Code, QR Code, Han Xin
	Proprietary 2D: GoCode® (Additional License Required)
	Postal Codes: Australian Post, Intelligent Mail, Japan Post, KIX Code, PLANET, POSTNET, UK Royal Mail
Image Output Options	Formats: JPEG or PGM
Field Selection	High Density or Wide Field
Data Editing	JavaScript

Performance Characteristics

Field of View	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point	High Density Field: 120 mm Wide Field: 80 mm
Sensor	CMOS 1.2 Megapixel (1280 x 960) gray scale
Optical Resolution	High Density Field: 960 x 640 Wide Field: 960 x 640
Pitch	± 60° (from front to back)
Skew	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	± 180°
Print Contrast	25% absolute dark/light reflectance differential, measured at 650 nm
Target Beam	Single, blue targeting bar
Ambient Light Immunity	Sunlight: Up to 9,000 ft-candles/96,890 lux
Shock	Withstands multiple drops of 5' (1.5 Meters to concrete)
Power Requirements	Reader @ 5vdc (mA): Average Idle Current = 150 mA; Maximum Idle Current = 350 mA; Continuous Scan Mode (100% Illumination Brightness) = 430 mA
Memory Capacity	128MB Flash ROM, 32MB RAM
Communication Interfaces	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual Com Port)

Accessories

- Various Cable Options Available. Visit www.codecorp.com/cables.php for a list of compatible cables

Working Ranges

CR5000 Performance				
	Presentation Mode (Default)		**Handheld Mode**	
Test Barcode	Min Inches (mm)	Max Inches (mm)	Min Inches (mm)	Max Inches (mm)
5.8mil PDF	0.4" (10 mm)	2.0" (50 mm)	0.4" (10 mm)	4" (100 mm)
6.3mil DM	0.4" (10 mm)	2.4" (60 mm)	0.4" (10 mm)	4.5" (115 mm)
6.6mil PDF	0.4" (10 mm)	2.6" (65 mm)	0.4" (10 mm)	4.5" (115 mm)
10mil DM	0.4" (10 mm)	3.5" (90 mm)	0.4" (10 mm)	5.5" (140 mm)
13mil UPC	0.4" (10 mm)	4.9" (125 mm)	0.4" (10 mm)	6.9" (175 mm)
15 mil DM	0.4" (10 mm)	4.5" (115 mm)	0.4" (10 mm)	6.9" (175 mm)
20mil DM	0.4" (10 mm)	6.1" (155 mm)	0.4" (10 mm)	8.0" (205 mm)

Note: Handheld working ranges are a combination of both wide and high density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Default AGC settings were used. Accuracy= +/- 10%.

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code
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