CODE READER™ 5000

Revolutionizing Data Capture Across Industries

code®

Expect More.

CR5000

More for your Application:

- High-speed, omnidirectional reading of 1D and 2D barcode symbologies
- Hands-free operation or optional trigger reading
- User feedback with LED and audible tone
- Compact, lightweight and ergonomic design
- Reads barcodes on mobile device screens
- Data editing and formatting with JavaScript
- Customizable driver license data formatting for loyalty and credit applications
- Optional Age-Verification solution
- Compatible with Code's rapid disconnect USB, RS232 and T500 Bluetooth Affinity® cables
- Efficient power consumption
- Convenient, cost-effective method for employee time keeping

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. Customizable driver license formatting lets users target specific information to populate fields on loyalty forms, 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.

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.

Applications

Features at a Glance

| IMAGER | 1D | 2D | PDF | POSTAL | CortexRM™ | JAVASCRIPT | USB | RS232 | BLUETOOTH | MEMORY | | CODESHIELD |

Physical Characteristics

Nominal 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)
Nominal 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: BC412, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar, 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, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
	2D: Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1
	Proprietary 2D: GoCode® (Optional License Required)
	Postal Codes: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Post-net, UK Royal Mail, UPU ID-tags
Image Output Options	Formats: JPG or PGM
Field Selection	High Density or Wide Field
Data Editing	JavaScript

Performance Characteristics

Field of View	High Density: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point	High Density: 120 mm Wide Field: 80 mm
Sensor	CMOS 1.2 Megapixel (1280 x 960) gray scale
Optical Resolution	High Density: 960 x 640 Wide Field: 960 x 640
Pitch	± 65° (from front to back)
Skew	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	± 180°
Symbol Contrast	15% minimum reflectance difference
Target Beam	Single, blue targeting bar
Ambient Light Immunity	Sunlight: Up to 9,000ft-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
Communication Interfaces	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port)
Warranty	www.codecorp.com/warranty

Accessories

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

CE FC RoHS

Typical Working Ranges

Test Barcode	Presentation Mode (Default)		Handheld Mode	
	Min Inches (mm)	Max Inches (mm)	Min Inches (mm)	Max Inches (mm)
5.8 mil PDF	0.4" (10 mm)	2.0"(50 mm)	0.4" (10 mm)	4.0"(100 mm)
6.3 mil Data Matrix	0.4" (10 mm)	2.4" (60 mm)	0.4" (10 mm)	4.5" (115 mm)
6.7 mil PDF	0.4" (10 mm)	2.6" (65 mm)	0.4" (10 mm)	4.5" (115 mm)
10 mil Data Matrix	0.4" (10 mm)	3.5" (90 mm)	0.4" (10 mm)	5.5" (140 mm)
13 mil UPC	0.4" (10 mm)	4.9" (125 mm)	0.4" (10 mm)	6.9" (175 mm)
15 mil Data Matrix	0.4" (10 mm)	4.5" (115 mm)	0.4" (10 mm)	6.9" (175 mm)
20.8 mil Data Matrix	0.4" (10 mm)	6.1" (155 mm)	0.4" (10 mm)	8.0" (205 mm)

Note: Working ranges are a combination of both the wide and high density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Default automatic gain control settings were used with regular office lighting. Accuracy= +/- 10%. Test conditions may affect working ranges.