



# CODE READER 950



## Expect More

- High-speed, omnidirectional reading of 1D & 2D barcode symbologies
- Manual or automatic triggering
- Compatible with Code's CortexTools<sup>®</sup> 3 software configuration utility
- All-inclusive kits include reader, cable and stand
- Reads barcodes on mobile device screens
- Customizable driver's license parsing
- Compatible with Code's rapid disconnect USB & RS232 Affinity<sup>®</sup> cables
- Efficient power consumption
- Disinfectant-ready housing

## Applications



## Features at a Glance



## Built to Keep Your Workflow Flowing

The CR950 is an aggressive barcode reader that rapidly decodes 1D and 2D barcodes. Its lightweight, ergonomic design makes it comfortable to use over long shifts, and unmatched durability makes it an investment that will last.

This easy-to-use, durable barcode reader outperforms single-line laser scanners and linear imagers with full omnidirectional barcode reading. Combined with its programming versatility, the CR950 quickly and reliably transmits barcoded data into any enterprise solution.

Driver's license parsing applications speed up in-store credit applications and loyalty form processes, while reliable barcode reading from mobile device screens maximizes its productivity in retail environments.

The CR950 thrives in fast-paced environments, and will seamlessly transition from in-stand to out-of-stand reading. For increased efficiency, users can select motion-detection barcode reading mode. A fast, flexible device, the CR950 is an unbeatable addition to your retail operation.

**The CR950 is built to handle your critical 1D and 2D barcode reading needs.**



## Physical Characteristics

Nominal Dimensions	5.5" H x 2.75" L x 2.0" W (140 mm H x 70 mm L x 50 mm W)
Nominal Weight	3.9 oz (110 g)
Color	Dark gray
IP Rating	54

## Performance Characteristics

Field of View	51° horizontal by 39.4° vertical
Focal Point	Approximately 130 mm
Sensor	CMOS 1.2 Megapixel monochrome
Optical Resolution	1280 x 960
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, 470 nm
Ambient Light Immunity	Sunlight: up to 9,000 ft-candles/96,890 lux
Shock	Withstands multiple drops of 6' (1.8 m) to concrete
Power Requirements	Reader @ 5vdc (mA): Typical = less than 300 mA; Idle = less than 1 mA
Communication Interfaces	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port)
Warranty	<a href="http://codecorp.com/support/warranty">codecorp.com/support/warranty</a>

## Accessories

- Various cable options available. Visit [codecorp.com/products/accessories](http://codecorp.com/products/accessories)
- Stand

## Typical Working Ranges

Test Barcode	Min mm (inches)	Max mm (inches)
7.5 mil Code 39	2.0" (51 mm)	9.6" (244 mm)
10.5 mil GS1 Databar	1.4" (36 mm)	8.9" (226 mm)
13 mil UPC	1.6" (41 mm)	14.6" (371 mm)
5.8 mil PDF417	3.3" (84 mm)	6.1" (155 mm)
6.7 mil PDF417	2.6" (66 mm)	6.9" (175 mm)
5 mil DM	3.0" (76 mm)	3.5" (90 mm)
6.3 mil DM	2.8" (71 mm)	5.3" (135 mm)
10 mil DM	2.0" (51 mm)	8.1" (206 mm)
20.8 mil DM	1.2" (30 mm)	15.7" (399 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. Measured from the front of the reader with default settings in metric units then converted to imperial units. Testing conditions may impact working ranges.

## User Environment

Operating Temperature	-4° to 122° F (-20° to 50° C)
Storage Temperature	-22° to 150° F (-30° to 65° C)
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, 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, Data Matrix Rectangular Extension, Micro QR Code, QR Code, QR Model 1 Proprietary 2D: GoCode® (optional license required)
Image Output Options	Formats: JPEG or PGM



MAKRO IDENT e.K.  
Brady-Distributor für Kennzeichnung & Arbeitssicherheit  
Bussardstrasse 24  
D-82008 Unterhaching

Tel. 089-615658-28  
Fax. 089-615658-25  
Web: [www.makroident.de](http://www.makroident.de)

