code®
REVOLUTIONIZING BARCODE READING

CODE READER™ 950

Features & Benefits

- High speed, omnidirectional reading of 1D and 2D barcode symbologies
- Manual or automatic triggering
- User feedback with LED and audible tone
- All-inclusive kits include reader, cable and stand
- Reads barcodes on mobile device screens
- Customizable Driver License parsing
- Compatible with Code's rapid disconnect USB and RS232 Affinity® cables
- Efficient power consumption

The value of performance.

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.

The CR950's versatility and value don't stop there.

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 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 growing operation.

Applications

Retail point-of-sale, manufacturing, work-in-process, document processing

Features at a Glance

CODE READER™ 950 SPECIFICATIONS

Physical Characteristics

CR950 Dimensions	5.5” H x 2.75” L x 2.0” W (140 mm H x 70 mm L x 50 mm W)
CR950 Weight	3.9 oz (110 g)
IP Rating	54

User Environment

Operating Temperature	-20° to 50° C / -4° to 122° 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, 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® (Additional License Required)
Image Output Options	PGM or JPG

Working Ranges

CR950 Performance		
Test Barcode	**Min Inches (mm)**	**Max Inches (mm)**
7.5 mil Code 39	2.0” (50 mm)	9.6” (245 mm)
10.5 mil GS1 Databar	1.4” (35 mm)	8.9” (225 mm)
13 mil UPC	1.6” (40 mm)	14.6” (370 mm)
5.8 mil PDF417	3.3” (85 mm)	6.1” (155 mm)
6.7 mil PDF417	2.6” (65 mm)	6.9” (175 mm)
5 mil DM	3.0” (75 mm)	3.5” (90 mm)
6.3 mil DM	2.8” (70 mm)	5.3” (135 mm)
10 mil DM	2.0” (50 mm)	8.1” (205 mm)
20.8 mil DM	1.2” (30 mm)	15.7” (400 mm)

Note: 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%.

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°
Print 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 6’ (1.8 Meters) to concrete
Power Requirements	Reader @ 5vdc (mA): Typical = less than 300 mA; Idle = less than 1mA
Memory Capacity	1MB NOR Flash, 16MB RAM
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
- Stand

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