

CODE READER™ 900FD



Features & Benefits

- High speed, omnidirectional reading of 1D and 2D barcode symbologies
- Wide area image sensor
- 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, RS232 and T500 Affinity® cables
- Efficient power consumption
- IP54 housing



Comes with
 Universal Stand

The future-proof investment.

The CR900FD is an area imaging barcode reader with flexible decoding capabilities. The result? An aggressive barcode reader that out of the box rapidly decodes 1D barcodes and gives users the option of selecting a 2D symbology of their choice. Want to change the selected 2D symbology? Not a problem. The CR900FD can be upgraded intelligently, flexibly and even affordably (think linear scanner price) for users wanting to read a complete suite of 2D symbologies.

The CR900FD'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 CR900FD 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 CR900FD thrives in fast-paced environments, and will seamlessly transition from in-stand to out-of-stand reading. For increased efficiency users can select from continuous scan or motion detection barcode reading modes.

A forward-functioning, flexible device, the CR900FD 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™ 900FD SPECIFICATIONS

Physical Characteristics

CR900FD Dimensions	5.5" H x 2.75" L x 2.0" W (140 mm H x 70 mm L x 50 mm W)
CR900FD Weight	3.9 oz (110 g)
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	<p>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, Pharmacoode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN</p> <p>Stacked 1D: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417</p> <p>2D: Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1</p> <p>Proprietary 2D: GoCode® (Additional License Required)</p>
Image Output Options	Formats: Bitmap or JPEG
Field Selection	Wide Field
Data Editing	JavaScript

Working Ranges

CR900FD Performance

Test Barcode	Min Inches (mm)	Max Inches (mm)
4 mil Code 39	1.6" (40 mm)	3.1" (78 mm)
7.5 mil Code 39	1.3" (34 mm)	7.2" (182 mm)
9.5 mil Code 128	0.6" (15 mm)	8.3" (212 mm)
10.5 mil UPC	0.8" (20 mm)	9.0" (228 mm)
13 mil UPC	1.5" (40 mm)	13.9" (380 mm)
5 mil DM	1.7" (43 mm)	3.0" (76 mm)
6.3 mil DM	1.3" (33 mm)	4.1" (104 mm)
10 mil DM	1.5" (40 mm)	7.8" (200 mm)
20.8 mil DM	1.1" (28 mm)	13.5" (343 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.

Performance Characteristics

Field of View	Wide Field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 100 mm
Sensor	CMOS gray scale
Optical Resolution	Wide Field: 960 x 640 pixels
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 6' (1.8 Meters) to concrete
Power Requirements	Reader @ 5vdc (mA): Typical = less than 450 mA; Idle = less than 80 mA; Sleep = less than 31 mA
Memory Capacity	128MB Flash ROM, 32MB 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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REVOLUTIONIZING BARCODE READING

www.codecorp.com