

# CODE READER™ 1100

Revolutionizing Data Capture Across Industries

D A T A S H E E T



**code**<sup>®</sup>  
Expect More.

## More for your Application:

- High-speed, omnidirectional reading of 1D and 2D barcode symbologies
- Manual or automatic triggering
- User feedback with LED and audible tone
- Compatible with Code's CortexTools2<sup>®</sup> software configuration utility
- Reads barcodes on mobile device screens
- Data editing and parsing with JavaScript
- Efficient power consumption (lowest in its class)
- Disinfectant-ready housing
- Available in light and dark gray
- Optional Stand

## Compact, efficient and powerful

Weighing in at less than 2 oz, capable of withstanding multiple drops from 6 feet and able to work in a very challenging environment, the compact and intuitive CR1100 could be the toughest featherweight you'll ever meet. It quickly and reliably decodes 1D, 2D and Postal barcodes from any surface type.

Featuring Code's proprietary microprocessor optimized for image processing, the CR1100 captures barcode data at a laser fast speed. For data editing and parsing, end users can leverage its JavaScript platform to create custom routines and applications that are easily embedded into the reader.

The CR1100 excels in retail applications and can be easily integrated with various peripherals for a truly unique point-of-sale solution. For other devices like workstations-on-wheels, tablet PC's, or self-service kiosks, the CR1100 works on a large scale in a limited workspace.

For intuitive, lightning fast performance that won't drain your battery or your budget, choose the CR1100.

### Applications



### Features at a Glance



CR1100 with Stand

## Physical Characteristics

<b>Nominal Dimensions</b>	1.17" H x 2.7" L x 2.1" W (30 mm H x 68 mm L x 53 mm W)
<b>Nominal Weight</b>	1.9 oz (55 g)
<b>Color</b>	Available in light or dark gray

## User Environment

<b>Operating Temperature</b>	-20° to 55° C / -4° to 131° F
<b>Storage Temperature</b>	-30° to 65° C / -22° to 150° F
<b>Humidity</b>	5% to 95% non-condensing
<b>Decode Capability</b>	<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, 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® (Optional License Required)</p> <p>Postal Codes: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Post-net, UK Royal Mail, UPU ID-tags</p>
<b>Image Output Options</b>	Formats: JPG or PGM
<b>Field Selection</b>	High Density or Wide Field
<b>Data Editing</b>	JavaScript

## Typical Working Ranges

Test Barcode	Min Inches (mm)	Max Inches (mm)
3 mil Code 39	3.3" (84 mm)	4.3" (109 mm)
7.5 mil Code 39	1.9" (47 mm)	7.0" (177 mm)
10.5 mil GS1 DataBar	0.6" (16 mm)	7.7" (196 mm)
13 mil UPC	1.3" (33 mm)	11.3" (286 mm)
5 mil Data Matrix	1.9" (48 mm)	4.8" (121 mm)
6.3 mil Data Matrix	1.4" (35 mm)	5.6" (142 mm)
10 mil Data Matrix	0.6" (14 mm)	7.2" (182 mm)
20.8 mil Data Matrix	1.0" (25 mm)	12.6" (319 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. Test conditions may affect working ranges.

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## Performance Characteristics

<b>Field of View</b>	High Density: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
<b>Focal Point</b>	High Density: approximately 100 mm Wide Field: approximately 115 mm
<b>Sensor</b>	CMOS 1.2 Megapixel (1280 x 960) gray scale
<b>Optical Resolution</b>	High Density: 960 x 640 Wide Field: 960 x 640
<b>Pitch</b>	± 65° (from front to back)
<b>Skew</b>	± 60° from plane parallel to symbol (side-to-side)
<b>Rotational Tolerance</b>	± 180°
<b>Symbol Contrast</b>	15% minimum reflectance difference
<b>Target Beam</b>	Single, blue targeting bar, 470 nm
<b>Ambient Light Immunity</b>	Sunlight: Up to 9,000ft-candles/96,890 lux
<b>Shock</b>	Withstands multiple drops of 6' (1.8 Meters to concrete)
<b>Power Requirements</b>	Reader @ 5 VDC (mA): Typical = less than 350 mA; Idle = less than 75 mA;
<b>Communication Interfaces</b>	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port)
<b>Warranty</b>	www.codecorp.com/warranty

## Accessories

• Various Cable Options Available. Visit [www.codecorp.com/cables.php](http://www.codecorp.com/cables.php) for a list of compatible cables

- Stand
- Wall Mount Bracket
- Vice Clamp Mount

