

CODE READER 1100



Expect More

- High-speed, omnidirectional reading of 1D & 2D barcode symbologies
- Manual or automatic triggering
- Patented tech reads on reflective surfaces
- Compatible with Code's CortexTools[®] 3 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

Applications



Features at a Glance



Built to Keep Your Workflow Flowing

Weighing in at less than 2 oz, the compact and intuitive CR1100 could be the toughest featherweight you'll ever meet. With robust construction, it withstands multiple drops from 6 feet and is ready to thrive in challenging environments. To keep your team and customers safe, the CodeShield[®] Level 2 rating allows for sanitization with an expanded list of cleaners.

CR1100 Beyond Glare technology enables scanning on the most challenging reflective surfaces. Patented Dual Field technology makes scanning codes—both large and small—quick and accurate. Reading 1D, 2D, and Postal barcodes in real working environments has never been easier or more efficient.

Code's proprietary microprocessor optimized for image processing captures barcode data at speeds that keep your team moving. For data editing and parsing, end users can leverage the ScanFlex JavaScript platform to create custom routines and applications that easily embed into the reader.

The CR1100 integrates well into many workflows, including healthcare, retail, law enforcement, and administrative. Easily integrating with various peripherals, the CR1100 accommodates many unique data capture solutions. For applications employing cart-mounted workstations, tablet PCs, vehicle-deployed workstations, or self-service kiosks, the CR1100 works within limited workspaces and for large-scale deployments.

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



Physical Characteristics

Nominal Dimensions	1.2" H x 2.7" L x 2.1" W (30 mm H x 68 mm L x 53 mm W)
Nominal Weight	1.9 oz (54 g)
Color	Light gray or dark gray

Performance Characteristics

Field of View	High Density: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point	High Density: approximately 100 mm Wide Field: approximately 115 mm
Sensor	CMOS 1.2 Megapixel (1280 x 960) grayscale
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, 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 200 mA; Idle = less than 90 mA
Communication Interfaces	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port)
Warranty	codecorp.com/support/warranty

Accessories

Visit codecorp.com/products/accessories

- Various cable options available
- Stand
- Wall mount bracket
- Vice clamp mount

Typical Working Ranges

Test Barcode	Min mm (inches)	Max mm (inches)
3 mil Code 39	3.3" (84 mm)	4.3" (109 mm)
7.5 mil Code 39	1.9" (48 mm)	7" (178 mm)
10.5 mil GS1 Databar	0.6" (15 mm)	7.7" (196 mm)
13 mil UPC	1.3" (33 mm)	11.3" (287 mm)
5 mil DM	1.9" (48 mm)	4.8" (122 mm)
6.3 mil DM	1.4" (36 mm)	5.6" (142 mm)
10 mil DM	0.6" (15 mm)	7.2" (183 mm)
20.8 mil DM	1" (25 mm)	12.6" (320 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 131° F (-20° to 55° 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, GSI 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: Codablock F, Code 49, GSI 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: JPEG or PGM
Field Selection	High density or wide field
Data Editing	JavaScript