



CODE READER 1500



Expect More

- Patented dual-field optics scan more types of barcodes than any other reader
- PVC-Free CodeShield[®] plastics stand up to more disinfectants
- IP54 rating seals out dust and moisture
- Visual, audible, and haptic indicators customizable for workflow needs
- Powerful Javascript platform for complete device control
- Medical standard data validation and parsing for greater application flexibility
- Lightweight and compact
- Optional stand

Applications



Features at a Glance



Built to Keep Your Workflow Flowing

No matter the service or products your organization provides, your team can run into challenging barcodes to read, and sometimes even environmental conditions can contribute to a scan failure. Wouldn't it be nice if everything worked the first time, every time? When your scanning solution works reliably and quickly, you save the time of repositioning to scan again, and more importantly, your team has the peace of mind of trusting your scanning tools.

The CR1500 reads any size or type of barcode—on any surface and in any condition—with ease. Whether it is a straight-forward scan, a code on a reflective surface in a dark room, or even a scalpel in the OR, Code's patented dual-field optics, lightning-fast proprietary processing, and Near-Zero-Miss decoder work as hard as you do.

The CR1500 withstands even the harshest disinfectants with CodeShield[®] Level 3 Plastics. With healthcare and other industries becoming even more concerned about pathogen control, the CR1500 offers a solution for keeping your scanning solution germ free. Market-leading plastics, seamless body design, and best-in-class IP54 sealing make cleaning with your chosen disinfectant a breeze.

The CR1500 scans all standard barcodes out of the box, and optional parsing and validation make integration into any system painless. Plus, with Code's exclusive ScanFlex JS (JavaScript) programming, meeting even your most complex data editing requirements becomes simple. Compact, lightweight, and ergonomic, the CR1500 is one of the smallest barcode readers on the market.

The CR1500 truly is the scanner of choice for any critical application.



Physical Characteristics

Nominal Dimensions	2" W x 3" D x 5.2" H (52 mm W x 77 mm D x 132 mm H)
Nominal Weight	4.1 oz. (116 g)
Color	Light gray or dark gray
IP Rating	54

Performance Characteristics

Field of View	High Density Field: 30° horizontal by 20° vertical; Wide Field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 3.9" (100 mm)
Sensor	CMOS 1.2 Megapixel (1280 x 960) grayscale
Optical Resolution	High Density Field: 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 fc (96,890 lux)
Shock	Withstands multiple drops of 6' (1.8 m) to concrete
Power Requirements	Reader @ 5 VDC (mA): typical = less than 350 mA; Idle = 75 mA
Communication Interfaces	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port)
Warranty	codecorp.com/warranty

Accessories

- Various cable options available. Visit codecorp.com/products/accessories
- Stand
- Wall mount bracket
- Vice clamp mount

Typical Working Ranges

Test Barcode	Min mm (inches)	Max mm (inches)
3 mil Code 39	3.3" (85 mm)	4.2" (107 mm)
7.5 mil Code 39	0.7" (18 mm)	6.6" (167 mm)
10.5 mil GS1 Databar	0.2" (5 mm)	8.1" (205 mm)
13 mil UPC	0.5" (13 mm)	10.4" (265 mm)
5 mil DM	1.1" (28 mm)	3.9" (100 mm)
6.3 mil DM	0.7" (18 mm)	5.3" (135 mm)
10 mil DM	0.2" (5 mm)	6.5" (165 mm)
20.8 mil DM	0.5" (13 mm)	12.9" (328 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, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN Stacked 1D: Codablock F, Code 49, GS1 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, Post-Net, Planet, UK Royal Mail, UPU ID-tags
Image Output Options	Formats: JPEG or PGM
Field Selection	High density or wide field
Advanced Data Editing	JavaScript
Data Parsing	GS1, HIBC, driver's licenses & ID cards
Data Structure Validation	ISO15418, ISO15434, HIBC UDI

