CODE READER™ 1500

Revolutionizing Data Capture in Healthcare

productoverview

DATA SHEET

More for Medical:

- *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*

Purpose Built for Healthcare

Hospitals and medical offices easily have the most difficult barcodes to read, and in the harshest conditions. Everything needs to work the first time, every time, when lives are at stake. The CR1500 reads any size or type of barcode, on any surface and in any condition, with ease. Whether it is a simple patient wrist band, an IV bag in a dark room or even a scalpel in the OR, Code's patented dual-field optics, lightning-fast proprietary processor, and zero-miss decoder work as hard as you do.

The CR1500 withstands even the harshest disinfectants with CodeShield® Level 3 Plastics. The market-leading plastics, seamless body design, and best-in-class IP54 sealing mitigate cleaning issues and make pathogen control more effective.

The CR1500 scans all standard barcodes out of the box, and optional parsing/validation make integration into any system painless. Plus, with Code's industry unique JavaScript programming, it is possible to meet even your most advanced data editing requirements. 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 healthcare application.

Applications

Features at a Glance

IMAGER 1D 2D PDF POSTAL CortexRM™ JAVASCRIPT USB RS232 BLUETOOTH MEMORY SCANNER & KEYPAD CODESHIELD®

Physical Characteristics

Nominal Dimensions	5.2" H x 3.0" L x 2.0" W (132 mm H x 77 mm L x 52 mm W)
Nominal Weight	4.1 oz (116 g)
Color	Light gray
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	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, Itelligent 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 (Optional license required)
Data Structure Validation	ISO15418, ISO15434, UDI/HIBC

Typical Working Ranges

Test Barcode	Min Inches (mm)	Max Inches (mm)
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 Data Matrix	1.1" (28 mm)	3.9" (100 mm)
6.3 mil Data Matrix	0.7" (18 mm)	5.3" (135 mm)
10 mil Data Matrix	0.2" (5 mm)	6.5" (165 mm)
20.8 mil Data Matrix	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. Default automatic gain control settings were used with regular office lighting. Accuracy= +/- 10%. Test conditions may affect working ranges. Measured from the front of the device.

Performance Characteristics

Field of View	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 100 mm
Sensor	CMOS 1.2 Megapixel (1280 x 960) gray scale
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 9,000ft-candles/96,890 lux
Shock	Withstands multiple drops of 6' (1.8 Meters to concrete)
Power Requirements	Reader @ 5vdc (mA): Typical = less than 350 mA; Idle = 75 mA
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
- Wall Mount Bracket
- Vice Clamp Mount