

Code® CR1500

Wired Healthcare Barcode Scanner



Reliable Scanning for Worry-Free Workflows



The CR1500 is a compact, wired barcode scanner built for the fast pace of healthcare. Designed to withstand daily wipe-downs and deliver quick, accurate reads, it excels in high-demand environments like laboratories and pharmacies. With plug-and-play connectivity and user-friendly ergonomics, the CR1500 brings together durability and performance in one dependable device.

Reads both high-density and standard barcodes

CodeShield® Level 3 plastics withstand healthcare-grade disinfectants

Powerful Javascript platform for complete device control

Lightweight and comfortable for all-day use

USB and RS232 connectivity for easy integration

Validates and parses data to work with more healthcare applications

Visual, audible, and haptic feedback options

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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/support/sales-warranty-terms/

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

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.

ACCESSORIES

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

LEARN MORE

Contact your local PDC Sales Representative!

800.435.4242
pdchealthcare.com

