code®
ADVANCED BARCODE READERS

CODE READER™ 1400

One of the smallest, most durable barcode readers on the market.

A lightweight that works in a heavyweight class, this reader proves its worth day in and day out. Its dual field optical platform allows the CR1400 to read wide and very small barcodes with an approximate 100 mm focal point. Intuitive targeting makes for quick, reliable and affordable reading of 1D, 2D and Postal barcodes. Glare reduction technology promotes quick reads from bottles, pre-packaged food products and other shiny surfaces. No longer must coupons on mobile phones slow down the checkout process. Reading barcodes on syringes, IV bags or items with extra plastic wrapping is never a problem.

There's nothing like having a reliable partner on the job.

From healthcare to retail to other high-use environments, a disinfectant-ready plastic housing and IP54 rating protects the performance and life of the reader against harsh cleaning agents, dust and water ingress—even multiple drops.

If you're working in unpredictable environments, need to streamline workflow process or reduce data entry errors, the CR1400 makes a valuable addition to your lineup.

Features & Benefits

- Operates hands-free or handheld
- Manual or automatic triggering
- User feedback with programmable LED, audible tone and vibrating good read indicators
- Optional Universal Stand
- Compatible with Code's CortexTools® software configuration utility
- Data editing and parsing with JavaScript
- Uses Code's rapid disconnect Affinity® cables
- Efficient power consumption
- Available in light and dark gray

CR1400 with Universal Stand

Applications

Healthcare, mobile coupon and ticketing (event, airline, cinema, etc), pharmacy, patrol vehicles, retail, and manufacturing

Features at a Glance

| IMAGER | 1D | 2D | PDF | POSTAL | CortexRM™ |
| JAVASCRIPT | USB | RS232 | BLUETOOTH | MEMORY | SCREEN & KEYPAD |

Physical Characteristics

CR1400 Dimensions	5.5" H x 2.75" L x 2.0" W (140 mm H x 70 mm L x 50 mm W)
CR1400 Weight	3.9 oz (110 g)
Color Options	Available in light or dark 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:** Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar (RSS), 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: GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
	2D: Aztec Code, Code 49, Codablock F, Data Matrix, Han Xin, MaxiCode, Micro QR, QR Code
	Proprietary 2D: GoCode® (Additional License Required)
	Postal Codes: Australian Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Postnet, UK Royal Mail, UPU ID-tags
Image Output Options	Formats: JPEG or PGM
Field Selection	High Density or Wide Field
Data Editing	JavaScript

Working Ranges

CR1400 Performance		
Test Barcode	**Min Inches (mm)**	**Max Inches (mm)**
3 mil Code 39	3.1" (80 mm)	4.0"(102 mm)
7.5 mil Code 39	1.3" (33 mm)	7.2" (182 mm)
10.5 mil GS1 DataBar	0.8" (20 mm)	8.7" (220 mm)
13 mil UPC	1.1" (28 mm)	11.0" (280 mm)
5 mil DM	1.7" (43 mm)	4.5" (115 mm)
6.3 mil DM	1.3" (33 mm)	5.9" (150 mm)
10 mil DM	0.8" (20 mm)	7.1" (180 mm)
20.8 mil DM	1.1" (28 mm)	13.5" (343 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 AGC settings were used. Accuracy= +/- 10%.

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	± 60° (from front to back)
Skew	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	± 180°
Print Contrast	25% absolute dark/light reflectance differential, measured at 650 nm
Target Beam	Single, blue targeting bar
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 450 mA; Idle = less than 80 mA; Sleep = less than 31 mA
Memory Capacity	128MB Flash ROM, 32MB RAM
Communication Interfaces	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port)
Warranty*	5 years

Accessories

- Various Cable Options Available. Visit www.codecorp.com/cables.php for a list of compatible cables
- Universal Stand

Web: www.codecorp.com

* Warranty period is specific to North America and EMEA.