

# Code Reader 1200™



## Features & Benefits

- Durable overmolded housing and secured cable ensure drop-shock surviveability
- Ruggedized design with permanent lanyard hook
- Exceptionally 'smooth feel' trigger - three million activations
- Three modes of user feedback ensures 'good read': vibration motor provides tactile feedback in noisy or silent environments; visual feedback with multi-color LED; and audible tones
- Reads and decodes all symbologies including: 1D, 2D, Data Matrix, PDF417 and 30+ others
- Firmware is field upgradable
- JavaScript Application Development Suite allows program development to prepare captured data for integration with enterprise software
- Two cabling choices: USB or RS232



## Overview

Simple, fast and affordable, Code Reader 1200 (CR1200) provides the power of digital imaging technology at the lowest cost. Built for cabled 'point and shoot' omni-directional applications, CR1200 is Code's low-cost addition to its high performance line of bar code readers. The CR1210 has the same rugged design as the CR1200 but is a near field reader that provides support for Matrix symbols with cell resolution requirements of 6.3 mil (0.16 mm).

CR1200's unique wide angle lens captures and decodes all bar code types and symbologies: 1D, 2D, Data Matrix, PDF417, UPC/EAN/JAN, GS1 DataBar and over 30 other symbologies, making it an ideal bar code reader for production work-in-process, point-of-sale, inventory management, supply chain functions and point-to-point logistics.

CR1200's LED (non-laser) targeting technique utilizes different colored converging LEDs to determine target range. The durable overmolded housing and secured cable make CR1200 uniquely suited for rugged high-use environments. Revolutionary audible, tactile and visual user feedback systems include an advanced speaker, a vibration motor and targeting/status LEDs.

Code's JavaScript Application Development kits provide programming tools enabling preparation of decoded data for acceptance into existing software programs. Document imaging is accomplished with extensive control over field size, gray scale, black/white threshold and graphics compression. Text to data capability is supported via advanced optical character recognition (OCR). Easily integrated with existing processes, software applications and peripherals, CR1200 is the clear choice in bar code readers for future-proofing your operations.

# Code Reader 1200™ Specifications

## Physical Characteristics

**Reader Dimensions:** 7" H x 4.5" D x 2.5" W (180mm H x 114mm D x 63mm W)  
**Reader Weight:** 6.4 oz (181 g)

## Performance Characteristics

**Field of View:** 43.48° horizontal by 31.86° vertical  
**Focal Point:** Approximately 4" (104mm)  
**Sensor:** CMOS 1.3 Megapixel  
**Optical Resolution:** 1280 x 1024 pixels  
**Pitch:** ± 60° (from front to back)  
**Skew:** ± 60° from plane parallel to symbol (side-to-side)  
**Rotational Tolerance:** ± 180°  
**Print Contrast Res.:** 25% (1D symbologies) or 35% (PDF417) absolute dark/light reflectance differential, measured at 650 nm  
**Target Beam:** Two targeting LEDs converge for optimal focus  
**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): Idle = 250mA; Peak (Typical) = 330mA; Peak (Max) = 345mA  
**Optional Cable Interfaces:** USB (Full Speed) & RS232  
**Operational Modes:** Cabled Only

## Accessories

- Reader Stand
- USB or RS232 Cables
- US, Europe/South America, or UK Power Supply

## User Environment

**Operating Temperature:** 0° to 50° C / 32° to 122° F  
**Storage Temperature:** -20° to 65° C / -4° to 150° F  
**Humidity:** 5% to 95% non-condensing  
**Decode Capability:** **1D:** UPC/EAN/JAN, Code 39, Code 128, Interleaved 2 of 5, Codabar, GS1 DataBar (RSS), MSI Plessey, Code 11, Code 93, NEC 2 of 5, Matrix 2 of 5, Trioptic Code, Telepen, Hong Kong 2 of 5, Pharmacoode, Composite Codes  
**Stacked 1D:** PDF417, Micro PDF417, Codablock A & F  
**2D:** Data Matrix, QR Code, Micro QR Code, Aztec Code, Maxicode  
**Proprietary 2D:** GoCode (Requires Additional Licensing)  
**Postal:** USPS OneCode (4CB), POSTNET, PLANET, Japanese Post, Australian Post, Royal Mail, KIX Code  
**OCR:** OCR-A and OCR-B Fonts  
**Image Output Options:** Formats: JPEG, Raw (Uncompressed)  
**Resolution Selection:** Up to 1280 x 1024 (Multiple Window Options)  
**Data Editing:** JavaScript (Additional License Required) / CodeXML Rules



## Working Ranges

CR1200 Performance	
Depth of Field	
8.8 mil Data Matrix	63 mm - 203 mm
20.8 mil Data Matrix	25 mm - 214 mm
5.8 mil PDF417	69 mm - 186 mm
7.5 mil Code39	56 mm - 199 mm
10.5 mil GS1 DataBar Stacked	29 mm - 214 mm
12.5 mil Code128	5 mm - 253 mm

CR1210 Performance	
Depth of Field	
8.3 mil Data Matrix	45 mm - 80 mm
20 mil Data Matrix	15 mm - 128 mm
8 mil PDF417	15 mm - 105 mm
4.2 mil Code39	30 mm - 76 mm
10.5 mil RSS14 Stacked	15 mm - 95 mm

*All samples were high quality codes and were read along a physical center line at a 10° angle. Default AGC settings were used. Accuracy= +/- 10%.*



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Specifications subject to change without notice.