Code Reader 1200™

Simple, fast and affordable, Code Reader 1200 (CR1200) is the industry's next generation bar code reader, providing 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. CR1200 is bar code reading simplicity defined, and its rugged yet lightweight flexibility makes it an ideal reader for all linear and matrix bar code reading applications.

CR1200's unique wide angle lens captures and decodes all bar code types and symbologies. Whether you are reading 1D, 2D, DataMatrix, PDF417, UPC/EAN/JAN, RSS or over 30 other symbologies. CR1200's decode performance is continuously improved with Code's Dynamic Optimization Technology (DOT). DOT is a revolutionary technology which automatically improves decode performance by continuously processing resolution, illumination, and image field settings for the fastest possible symbol identification. 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. The only decision required before ordering is to determine cable type for reader to host communication: USB, RS232 or PS2[†].

Code's software 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.

While simple in design and function, the CR1200 is singularly adept in data and image capture and decoding performance, making it the industry's best-in-class bar code reader for production work-in-process, point-of-sale, inventory management, supply chain functions and point-to-point logistics. CR1200 - Simple, fast and affordable.
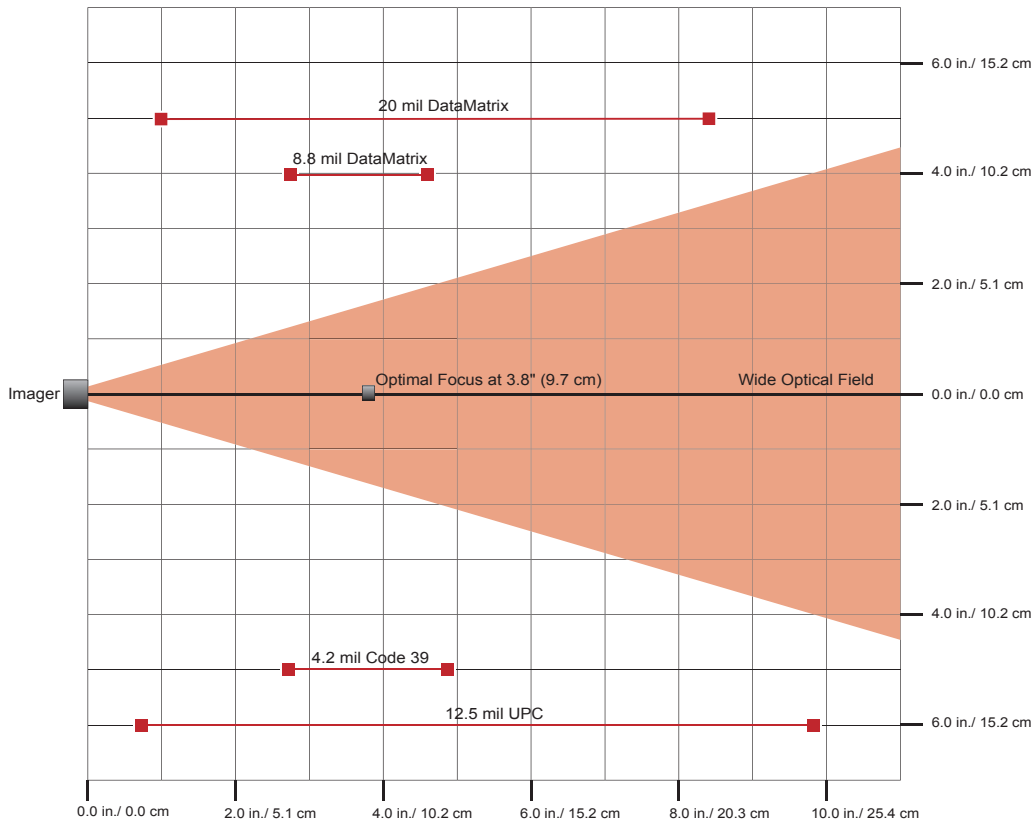
CR1200 Features & Benefits

- Code's most affordable, and the industry's best priced, cabled bar code reader
- 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, Datmatrix, PDF417 and 30+ others
- Firmware is field upgradable; can be remotely managed from single-source location
- Dynamic Optimization Technology continuously improves reader performance
- JavaScript Application Development Suite allows program development to prepare captured data for integration with enterprise software
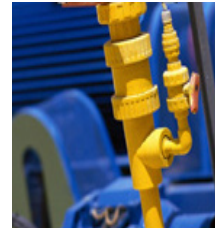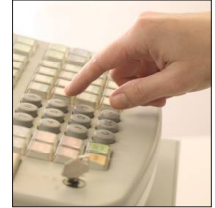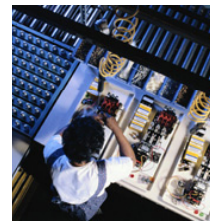- Three cabling choices: USB, RS232 or PS2[†]   [†]PS2 Available Q4 '07

featuring
DOT

Working Ranges

20 mil DataMatrix

8.8 mil DataMatrix

Imager   Optimal Focus at 3.8" (9.7 cm)   Wide Optical Field

4.2 mil Code 39

12.5 mil UPC

6.0 in./ 15.2 cm
4.0 in./ 10.2 cm
2.0 in./ 5.1 cm
0.0 in./ 0.0 cm
2.0 in./ 5.1 cm
4.0 in./ 10.2 cm
6.0 in./ 15.2 cm

0.0 in./ 0.0 cm   2.0 in./ 5.1 cm   4.0 in./ 10.2 cm   6.0 in./ 15.2 cm   8.0 in./ 20.3 cm   10.0 in./ 25.4 cm

Note: Smallest symbology that can be read by CR1200 is 7.5 mil

Physical Characteristics

Reader Dimensions:	7" H x 4.5" D x 2.5" W (180mm H x 114mm D x 63mm W)
Reader Weight (no cable):	6.4 oz (181 gm)
Warranty:	3 Years

RoHS

Performance Characteristics

Field of View:	43.48º horizontal by 31.86º vertical
Focal Point:	Approximately 4" (104 mm)
Sensor:	Progressive Scan CMOS 1.33 MP
	Processor - RMI Alchemy Au1200™ 400MHz
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% (1-D 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 feet (1.8 Meters) to concrete
Power Requirements:	Reader @ 5 vdc (mA): Idle = 250mA; Peak (Typical) = 330mA;
	Peak (Max) = 345mA
Optional Cable Interfaces:	USB 2.0 Compliant (Full Speed), RS232 & PS/2[†]
Code Quality:	Code Readability Index
Operational Modes:	Cabled only

[†] PS2 Available Q4 '07

USB   **RS232**   **PS/2**

C003402_04   04/10/07

[†]
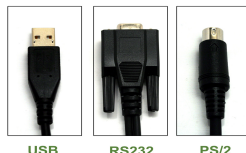
CR1200 Reader Stand

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:	MaxiCode, PDF417 (including Macro support), Data Matrix,
	QR and Micro QR, MicroPDF417, GoCode*, Composite, Code
	11, Aztec, Code 39, Code 128, Pharmacode, UPC/EAN/JAN,
	Int 2 of 5, Codabar, Codablock F, Code 93, RSS, Postnet,
	Planet, Japanese Post, Australian Post, Royal Mail, KIX, MSI
	Plessey, Trioptic, NEC 2 of 5, Matrix 2 of 5, Telepen, OCR (A &
	B*) and Hong Kong (2 of 5)
Image Output Options:	Formats: JPEG, Raw (Uncompressed)
Resolution Selection:	Up to 1280 x 1024 with Multiple Window Options
Grayscale:	256 Level
Data Editing:	JavaScript Capable*

* Requires Additional Licensing

Ordering Information

CR1200 without cable	**SKU: CR1200G-CX-F1**
CR1200 w/ 6 ft. USB Cable	**SKU: CR1200G-C0-F1**
CR1200 w/12 ft. USB Cable	**SKU: CR1200G-C20-F1**
CR1200 w/ 8 ft. RS232 Cable	**SKU: CR1200G-C1-F1**
CR1200 w/ 8 ft. RS232 Cable+US PS	**SKU: CR1200G-C3-F1**
CR1200 w/ 8 ft. RS232 Cable+Euro/SA PS	**SKU: CR1200G-C4-F1**
CR1200 w/ 8 ft. RS232 Cable+UK PS	**SKU: CR1200G-C5-F1**
CR1200 w/ 8 ft. PS2 Cable [†]	**SKU: CR1200G-C12-F1**

Accessories

Reader Stand	**SKU: CR1200AG-S1**

code

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Specifications subject to change without notice.