

## Code Reader 2.0™



The Code Reader 2.0 (CR2) is the first all applications reader. Whether you are reading smaller, high density 2-D codes or larger low density linear codes, the CR2 will outperform all other devices. The CR2 incorporates a unique dual path optical system, a 1.3 million pixel CMOS sensor, a 400 MHz processor and features both a beep and vibrate mode, multifunction LED indicators, two top control keys and one handle (optional) control key.

For applications requiring uncabled use, CR2 batch reader packages come with either a 1400 mAh or 1950 mAh Lithium Ion battery, allowing up to 60,000 reads, and up to one month between recharges, depending on duty cycle. The reader has over 2 MB of memory for storing scanned data.

The CR2 sets a new benchmark for size, weight, durability and working range. It is smaller and lighter than comparable systems and features no moving parts, allowing it to outperform all competitive products in drop tests. The CR2 is versatile enough for the most demanding applications and will automatically discriminate between all major 2-D and bar code symbologies. The reader features a timestamp for logging data and the 2-bay battery charger accessory provides further ease of operation, with its ability to charge in-situ batteries on two units, or two batteries, or a unit and a spare battery.

The reader is available with USB, PS/2 or RS232 cables.

Set up and command features include automatic store-forward, unload on command, unload and delete, unload and do not delete, and unload only new data and delete data are among the functions designed for secure and goof-proof batch operation.

Whether you need a small, palm held device or a traditional gun, the CR2 was specifically developed so users may easily choose the device that best meets their needs. The CR2 is the only product available in handheld, gun handle, and presentation stand form factors.

### The following accessories are available:

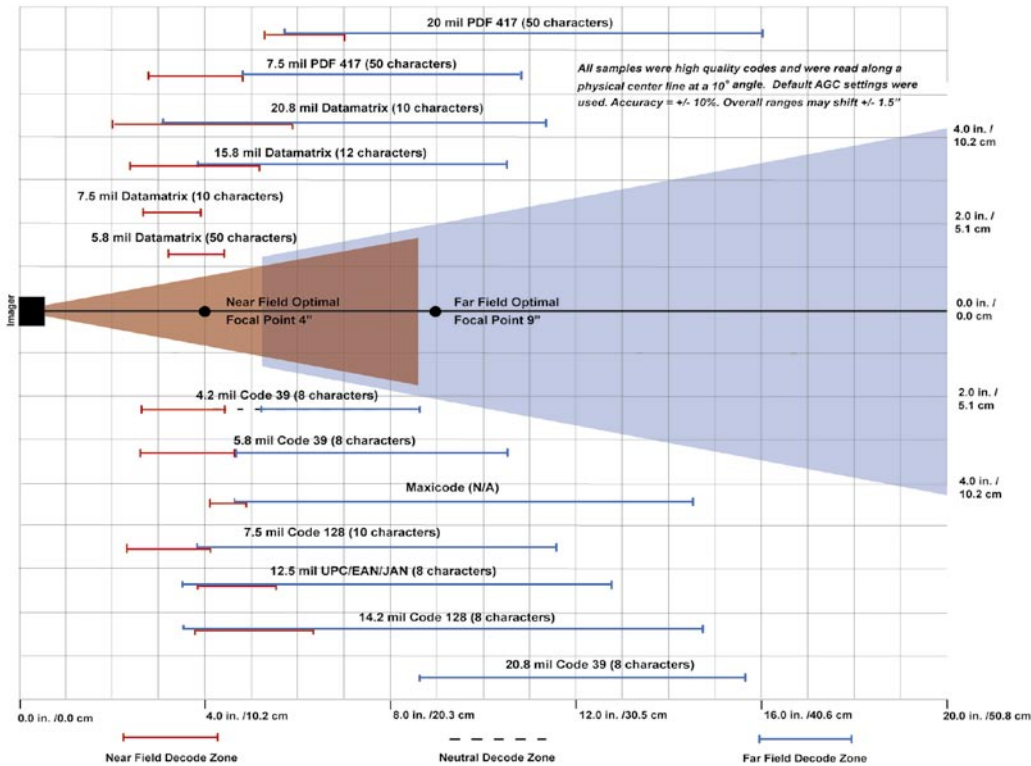
- 3 cable options: USB, PS/2 or RS232
- 1400 mAh or 1950 mAh battery
- Bluetooth radio with 300 foot operating range
- Clip-on pistol grip handle
- External battery charger
- Presentation stand
- CodeXML Router software
- CodeXML Bluetooth modem



**Recommended Package:**  
Reader, Handle,  
Charger & Spare Battery



## Working Range



## Physical Characteristics

Reader Dimensions:	1.3" H x 4.3" D x 1.8" W (3.3cm H x 10.9cm L x 4.6cm W)
Handle Dimensions:	3.8" H x 1.4" D x 1.2" W (9.65cm H x 3.6cm D x 3cm W)
Reader Weight:	2.5 oz (71.5 gm)
Battery Weight:	2.1 oz (59.5 gm)
Battery Blank Weight:	.5 oz (13.6 gm)
Handle Weight:	2.1 oz (58.9 gm)

## User Environment

Operating Temperature:	0 ° to 40 ° C/32 ° to 104 ° F
Storage Temperature:	-20 ° to 60 ° C/-4 ° to 140 ° F
Humidity:	5% to 95% non condensing
Decode Capability:	MaxiCode, PDF417 (including Macro support), Data Matrix, QR Code, MicroPDF417, GoCode, Composite, Code 11, Aztec, Code 39, Code 128, Pharmacoce, UPC/EAN/JAN, Int 2 of 5, Codabar, Codablock F, Code 93, RSS, Posnet, Planet, Japanese Post, Australian Post, Royal Mail, KIX, MSI Plessey
Image Output Options:	Formats: JPEG, Raw (Uncompressed)
Field Selection:	Near or Far
Resolution Selection:	1024 x 640 (Multiple Window Options)
Grayscale:	256 Level
Time Stamp:	Interval Logging
Data Editing:	CodeXML® Ready

## Performance Characteristics

Field of View:	Near: 21.5° horizontal by 16.2° vertical Far: 22.9° horizontal by 11.6° vertical
Focal Point:	Near: approximately 4" Far: approximately 9"
Sensor:	Progressive Scan CMOS 1.33 MP (1024x1280) 256 level gray scale
Optical Resolution:	Near Field: 1024 x 640 Far Field: 1024 x 640
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:	Class IIa Visible Laser Diode at 630nm
Ambient Light Immunity:	Sunlight: Up to 9,000ft-candles/96,890 lux
Shock:	Withstands multiple drops of 6.56 feet (2 Meters) concrete
Power Requirements:	Reader @ 5vdc (mA) - Typical = 140; Peak = 310; Idle = n/a; Sleep = 3; Bluetooth Radio @ 90m away (mA) Typical = 280 Peak = 350; Idle = 96; Sleep = 3 1400 mAh Battery with radio will support 4000 read/transmits per charge including 8 hours of standby interval.
Optional Cable Interfaces:	USB (Full Speed), RS232 & PS/2
Code Quality:	Code Readability Index

## Accessories

- 2 Bay Battery Charger
- CodeXML Bluetooth Modem
- CodeXML Router Software
- Clip-On Pistol Grip Handle
- Presentation Stand
- USB, PS/2 & RS232 Cables
- 1400 mAh & 1950 mAh batteries
- US/Europe/SA/UK/Asia Power Supply
- Belkin™ Bluetooth (class I, II, III) USB adapter



Class IIa Laser Product  
Avoid Long-Term Viewing  
of Direct Laser Radiation

code

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Specifications subject to change without notice.