Code Reader 2500™

With new high-performance bar code reading technology the Code Reader 2500 (CR2500) is the most advanced mobile bar code reader on the market today. The CR2500 decodes bar codes faster and offers features not found in other readers, including new automatic glare reducing illumination technology. The result is unequaled performance, even on difficult reading surfaces, including circuit boards, IV bags, patient-wristbands, driver licenses and other shiny or curved surfaces.

CR2500
Hand Format

The CR2500 also offers the next generation in dual-field optics and is the only bar code reader that can read both wide linear and the smallest of 2D bar codes. The optimal focus and field of view indicator of the CR2500 make bar code reading even easier than before.

CR2500 Battery
Handle Format

The CR2500 can be deployed in low and high-volume use-case scenarios and will excel in batch, cabled or Bluetooth wireless modes. Built on an open JavaScript platform, the CR2500 can be easily customized to meet the data manipulation needs of any end-user application. All scanned data configuration settings and JavaScripts files are stored in non-volatile flash memory and are maintained in the event of a power loss.

Enabled for both in-stand and out-of-stand operation the CR2500 can be used as a wireless hand-held and fixed presentation reader. This lightweight, comfortable and easy to use bar code reader solution can be further accessorized to fit the needs of applications in the healthcare, public safety, manufacturing, aerospace, industrial automotive and defense environment. With its modular design and JavaScript platform, the CR2500 is future-proof and the most cost-effective reader available.

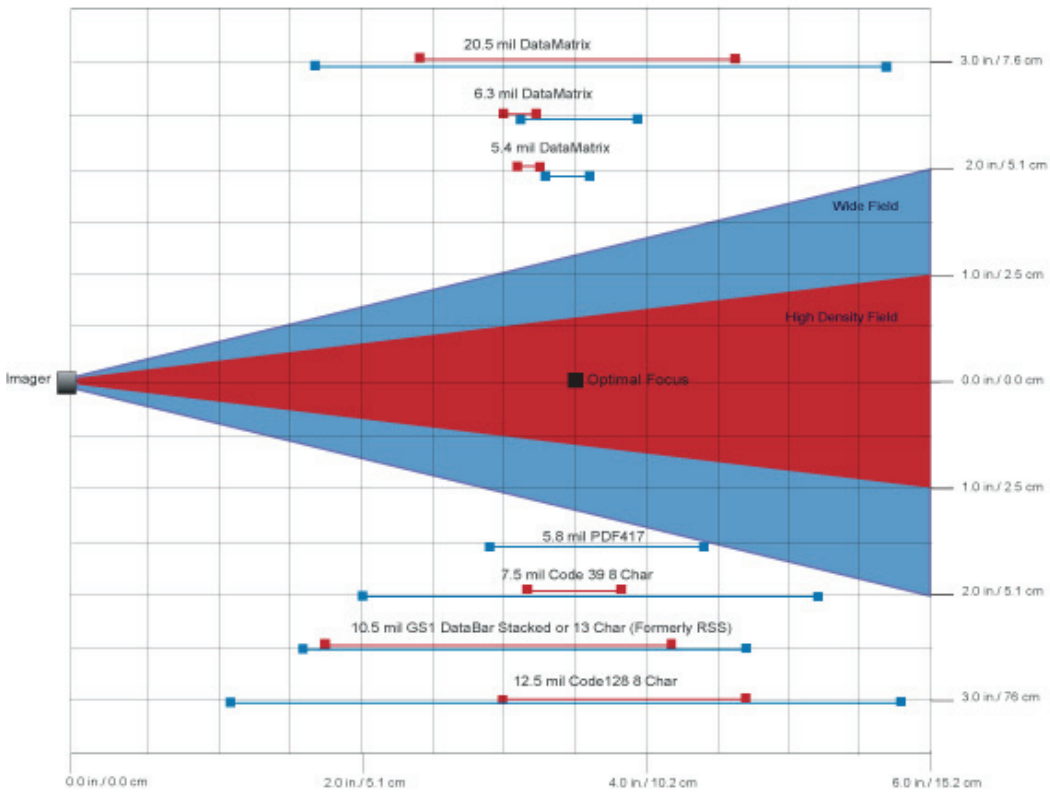
CR2500
Cabled Format

Representing the embodiment of Code's years of experience with high definition dual-field optics, the CR2500 establishes a new benchmark in aggressive reading performance and ease of use in a mobile imaging reader.

CR2500 Features & Benefits

- NEW reflection and glare reducing illumination
- High speed digital image capture
- Reads both wide linear and 2D matrix bar codes
- Unequaled performance on rounded, curved, and shiny surfaces
- Multicolor LEDs with optimal focus and FOV indicator
- User feedback with vibration and/or audible tones
- Over 10 MB of batch data and JavaScript memory
- Reads all linear stacked and 2D matrix symbologies
- Firmware is field upgradeable
- Data output via Bluetooth, USB, RS232 or PS/2
- Powerful data management capability via JavaScript
- Lightweight, ergonomic, fully-mobile modular design (hand held, handle, presentation stand)
- Rapid battery replacement, multiple battery formats and recharging options
- Withstands multiple drops to concrete from 6'

Working Range



Smallest DataMatrix that can be read is 4.2mil

Physical Characteristics

Reader Dimensions:	1.2" H x 4.9" L x 1.8" W (3.0cm H x 12.4cm L x 4.6cm W)
Reader Weight:	3 oz (89 gm)
Battery Weight:	2 oz (56 gm)
Battery Blank Weight:	0.5 oz (13.6 gm)
Battery Handle Weight:	BH1 4.8 oz (136 gm) / BH2 6.4 oz (181 gm)

Performance Characteristics

Field of View:	High Density Field: 17º horizontal by 10.5º vertical Wide Field: 33º horizontal by 10.5º vertical
Focal Point:	High Density Field: approximately 85 mm Wide Field: approximately 85 mm
Sensor:	Progressive Scan CMOS 1.33 MP (1024x1280) 256 level gray scale
Optical Resolution:	High-Density Field: 1024 x 640 Wide 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:	LED multicolor, optimal focus and field of view indicator
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 @ 5vdc (mA) - Typical = 180; Peak = 460; Idle = n/a; Sleep = 3; Bluetooth Radio @ 90m away (mA) Typical = 215 Peak = 595; Idle = 55; Sleep = 3
Optional Cable Interfaces:	USB (Full Speed), RS232 & PS/2
Memory Capacity:	10 MB Non-Volatile Memory
Operational Modes:	Bluetooth Wireless, Cabled or Batch Modes

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, 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*), Hong Kong (2 of 5), and 4-State CB
Image Output Options:	Formats: JPEG, PGM, Raw (Uncompressed)
Field Selection:	High-Density or Wide Field
Field Resolution Selection:	1024 x 640 (Multiple Window Options)
Grayscale:	256 Level
Time Stamp:	Interval Logging
Data Editing:	JavaScript Capable*

* Requires Additional Licensing

Accessories

- **External Single or Two-Bay Battery Charger**
- **Handle Battery Charger**
- **CodeXML Router Software**
- **CodeXML Bluetooth Modem**
- **Software Development Kits**
- **Ruggedized Cabled or Battery Handle**
- **Reader Stand**
- **USB, PS/2, or RS232 Cables**
- **1950 and 3900 mAH Li-Ion batteries**
- **US/Europe/SA/UK/Asia Power Supply**

CR2500 with Two-Bay Charger

CodeXML M3 Bluetooth Modem

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Specifications subject to change without notice.