

Appendix A - CR2500 Specifications

code

CR2500 - Physical Characteristics

Reader Dimensions:	1.2" H x 4.9" L x 1.8" W (3.0cm x 12.4cm x 4.6cm)
Reader Weight:	3 oz (89 gm)
Battery Weight:	2 oz (56 gm)
Battery Blank Weight:	0.5 oz (13.6 gm)

CR2500 - Performance Characteristics

Field of View:	High Density Field: 17° horizontal by 10.5° vertical Wide Field: 33° horizontal by 10.5° 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 = 165; Peak = 435; Idle = n/a; Sleep = 3; Bluetooth Radio @ 90m away (mA) Typical = 175; Peak = 545; 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

* CR2500 MFG #: 512G_01 Radio MFG #: CR2AG-RO V2 Firmware: Application 632, Boot 3660 used to determine power requirements.

CR2500 - 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 (Intelligent Mail Bar Code)
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:	CodeXML™ Rules / JavaScript Capable**

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