



REVOLUTIONISING DATA CAPTURE

CODE READER™ 1100



Compact design.
Seamless experience.

Automate your operations with accuracy

A critical component of your intelligent ecosystem

Consumer-grade functionality. Industrial-grade durability. No wake time. No down time. No kidding.

- ▶ Patented dual-field optics scan more types of barcodes than any other reader
- ▶ IP54 rating seals out dust and moisture
- ▶ Lightweight and compact
- ▶ Visual, audible, and haptic indicators customizable for workflow needs
- ▶ Powerful JavaScript platform for complete device control
- ▶ Disinfectant-ready housing

FEATURES AT A GLANCE



CR1100

LIGHTNING-FAST SCANS



Scanner options

| Article No. | Description |
|-------------|---|
| 176692 | Code Reader™ CR1100 Barcode Scanner without stand |
| 176693 | Code Reader™ CR1100 Barcode Scanner with stand |

Accessories

| Article No. | Description |
|-------------|---|
| 176506 | USB to RJ45 1.8 m Cable for Code Reader Barcode Scanner |

Physical characteristics

| | |
|-------------|-----------------------------------|
| Dimensions | 53 mm (W) x 30 mm (H) x 68 mm (D) |
| Weight (kg) | 0.12 kg |
| Colour | Light Grey |

Performance characteristics

| | |
|-----------------------------------|---|
| Field of View | High Density Field: 30° Horizontal by 20° Vertical, Wide Field: 50° Horizontal by 33.50° Vertical |
| Focal Point | Approximately 100 mm |
| Sensor | CMOS 1.2 megapixel; (1280 x 960) grey scale |
| Optical Resolution | High Density Field: 960 x 640, Wide Field: 960 x 640 |
| Pitch | ± 65° (from front to back) |
| Skew | ± 60° from plane parallel to symbol (side-to-side) |
| Rotational Tolerance | +/- 180° |
| Symbol Contrast | 15% minimum reflectance difference |
| Target Beam | Single Blue targeting bar (470nm) |
| Ambient Light Immunity | Sunlight: Up to 9,000ft-candles/96,890 lux |
| Drop Test | Resistant to 1.8 metre drops |
| Power Requirements | Reader @ 5vdc (mA): Typical = less than 300 mA; Idle = less than 1 mA |
| Reader/Scanner Unit Communication | RS232, USB 2.0 (Generic HID, HID keyboard, Virtual COM port) |
| Warranty | 2 years |

User environment

| | |
|--------------------------------|--|
| Operating Temperature | -20°C - 55°C |
| Storage Temperature | -30°C - 65°C |
| Operating Humidity | 5% to 95% (non-condensing) |
| Decode Capabilities - 1D | BC412, Codabar, Code 11, Code 128, Code 32, Code 39, Code 93, GS1 DataBar, Hong Kong 2 of 5, IATA 2 of 5, Interleaved 2 of 5, MSI Plessey, Matrix 2 of 5, NEC 2 of 5, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC / EAN / JAN, Pharmacode |
| Decode Capability - 1D Stacked | Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417 |
| Decode Capability - 2D | Aztec Code, Data Matrix, Data Matrix Rectangular Ext'n, GoCode® (proprietary--add'l license req'd), Grid Matrix, HanXin Code, Micro QR Code, QR Code, QR Model 1 |
| Decode Capability - Postal | Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Post-Net, UK Royal Mail, UPU ID-tags |
| Image Output Options | JPEG, PGM |
| Field Selection | High Density or Wide Field |
| Advanced Data Editing | JavaScript |

Typical working ranges

| | 3 mil Code 39 | 7.5 mil Code 39 | 10.5 mil GS1 Databar | 13 mil UPC | 5 mil DM | 6.3 mil DM | 10 mil DM | 20.8 mil DM |
|---------|------------------|--------------------|-------------------------|---------------|-------------|---------------|--------------|----------------|
| Minimum | 84 mm | 48 mm | 15 mm | 33 mm | 48 mm | 36 mm | 15 mm | 25 mm |
| Maximum | 109 mm | 178 mm | 196 mm | 287 mm | 122 mm | 142 mm | 183 mm | 320 mm |

Note: Working ranges are a combination of both the wide and high density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Measured from the front of the reader. Test conditions may affect working ranges.