CR 2700

Expect More

- High-speed, omnidirectional reading of 1D and 2D barcodes
- Inductive charging eliminates contact failure caused by disinfectants
- PVC-free CodeShield® plastics stand up to harsh chemicals
- Superior IP65 case keeps dust & liquid out
- Visual, audible, and haptic feedback (can be tailored to workflow needs)
- Multiple programmable buttons adapt to your workflows
- Night mode for scanning without disturbing resting patients
- QuickConnect to host PC via base station, dongle, or DirectConnect
- Powerful JavaScript platform gives you full control of scanner and data
- Batch mode stores data for later offload
- Bluetooth® 5 Low Energy enhances data security and extends battery life
- Smart battery with built-in power guage for proactive management
- Compatible with Android, iOS, and Windows (via USB or Bluetooth)
- FIPS version available

Applications

Features at a Glance

IMAGER 1D 2D PDF POSTAL CortexRM JAVASCRIPT
RS232 BLUETOOTH MEMORY SCREEN & KEYPAD CODESHIELD

The New Standard for Barcode Scanning

The CR2700 is Code's fourth-generation healthcare barcode reader, combining nearly twenty years of market experience with new features for improving patient care workflows. We took unparalleled scanning performance and stepped it up a notch, tackling even more damaged and poorly printed barcodes to keep nurses moving.

Worried about infection control? With the introduction of wireless (inductive) charging, Code has eliminated any exposed metal. Combined with seamless construction, an IP65 rating and top-of-the-line CodeShield® plastics, the CR2700 can be quickly and completely wiped down with even the harshest chemicals.

The CR2700 introduces Bluetooth® 5 to healthcare scanning, increasing the security level on data transmission. By implementing a Bluetooth Low Energy radio, Code has extended the battery life on the CR2700 to further minimize downtime during shifts. A built-in gauge tells users when it is time to change the battery, which can quickly be swapped for a fresh one, getting nurses right back to caring for patients.

The state-of-the-art CR2700 is also packed with new features to help hospital IT efficiently deploy and manage their scanners. With the ability to track service start dates and vital battery statistics, the CR2700 provides a new level of asset visibility and replacement planning. Code is also ready to assist with installation and training options to ensure a smooth rollout, and Code Complete protection plans practically eliminate downtime. **Code knows barcode scanning and the CR2700 is the new gold standard.**

CR 2700

Physical Characteristics

Palm Reader Dimensions	1.06" H x 2.06" W x 5.125" L (26.92 mm H x 52.32 mm W x 130.17 mm L)
Handle Reader Dimensions	5.06" H x 2.06" W x 5.125" L (128.52 mm H x 52.32 mm W x 130.17 mm L)
Charging Station Dimensions	Charging Station: 1.9" x 3.1" W x 3.1" L (49 mm H x 79 mm W x 79 mm L) With base: 2.2" H x 3.7" W x 4.8" L (55 mm H x 93 mm W x 121 mm L)
Palm Reader Weight	4.6 oz. (131 g) including battery
Handle Reader Weight	6.2 oz. (177 g) including battery
Charging Station Weight	3.4 oz. (97 g)
IP Rating	65
Colors	Light gray, dark gray

Performance Characteristics

Field of View	High density field: 30° horizontal by 20° vertical; Wide field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 3.94" (100 mm)
Sensor	CMOS 1.2 megapixel (1280 x 960) gray 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, 0.0000185" (470 nm)
Ambient Light Immunity	Sunlight: Up to 9,000 fc (96,890 lux)
Shock	Withstands multiple drops of 6' (1.8 m) to concrete
Power Requirements	Reader: 5 VDC; Charging station: 5 W max; Quad-bay charger: 6 W max
Number of Scans	Up to 50,000 scans per charge
ESD Protection	15 kV air, 8 kV direct
Charge Station Communication Interfaces	USB 2.0 (Generic HID, HID Keyboard)
Reader Communication	Bluetooth® 5 Low Energy (Class II)

User Environment

Operating Temperature	-4° to 131° F (-20° to 55° C)
Storage Temperature	-22° to 150° F (-30° to 65° C)
Humidity	5% to 95% non-condensing
Decode Capability	1D: BC412, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN
	Stacked 1D: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
	2D: Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1
	Proprietary 2D: GoCode® (optional license required)
	Postal codes: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Post-Net, Planet, UK Royal Mail, UPU ID-tags
Image Output Options	Formats: JPEG or PGM
Field Selection	High density or wide field
Advanced Data Editing	JavaScript
Data Parsing	GS1, HIBC, driver's licenses & ID cards (optional license required)
Data Structure Validation	ISO15418, ISO15434, HIBC UDI

Accessories

- USB Charging Cable
- Power Supplies
- Battery Cartridge
- Bluetooth Inductive Charging Station
- Desktop Mount
- Wall Mount Bracket
- VESA Mount Bracket
- Precut Adhesive Tapes
- Thumb Screws
- Bluetooth® Dongle

Typical Working Ranges

Test Barcode	Min Inches	Max Inches
3 mil Code 39	3.5" (90 mm)	4.4" (112 mm)
7.5 mil Code 39	0.9" (23 mm)	6.8" (172 mm)
10.5 mil GS1 Databar	0.4" (10 mm)	8.3" (210 mm)
13 mil UPC	0.7" (18 mm)	10.6" (270 mm)
5 mil DM	1.3" (33 mm)	4.1" (105 mm)
6.3 mil DM	0.9" (23 mm)	5.5" (140 mm)
10 mil DM	0.4" (10 mm)	6.7" (170 mm)
20.8 mil DM	0.7" (18 mm)	13.1" (333 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 read with default settings in metric units then converted to imperial units. Testing conditions may impact working ranges.