

CODE READER™ 2700

Revolutionizing Data Capture in Healthcare

D A T A S H E E T



code[®]
Expect More.

More for Medical:

- High-speed, omnidirectional reading of 1D and 2D barcodes used in healthcare workflows
- Inductive charging eliminates contact failure caused by disinfectants
- PVC-Free CodeShield® plastics stand up to harsh chemicals
- Sleek design with few nooks and crannies makes infection control easier
- Bluetooth® 5 Low Energy for enhanced data security and extended battery life
- Superior IP65 rating seals against dust and liquid ingress
- Visual, audible, and haptic feedback, customizable for workflow needs
- Smart battery with built-in power gauge and health tracking for proactive management
- Powerful JavaScript platform for complete device control
- Multiple programmable buttons to meet workflow needs
- Compatible with Android, iOS, and Windows devices (via USB or Bluetooth)
- Bluetooth dongle provides reliable data transfer from reader to PC host

The New Standard for Medical 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 healthcare barcode scanning and the CR2700 is the new gold standard.**

Applications



Features at a Glance



Physical Characteristics

Palm Reader Dimensions	28 mm H x 131 mm L x 53 mm W (1.1" H x 5.2" L x 2.1" W)
Handle Reader Dimensions	135 mm H x 131 mm L x 53 mm W (5.3" H x 5.2" L x 2.1" W)
Charging Station Dimensions	Charging Station: 49 mm H x 79 mm L x 79 mm W (1.9" H x 3.1" L x 3.1" W) With base: 55 mm H x 121 mm L x 93 mm W (2.2" H x 4.8" L x 3.7" W)
Palm Reader Weight	131 g (4.6 oz.) including battery
Handle Reader Weight	177 g (6.2 oz.) including battery
Charging Station Weight	97 g (3.4 oz.)
IP Rating	65

User Environment

Operating Temperature	-20° to 55° C / -4° to 131° F
Storage Temperature	-30° to 65° C / -22° to 150° F
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

Typical Working Ranges

Test Barcode	Minimum Inches (mm)	Maximum Inches (mm)
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 Data Matrix	1.3" (33 mm)	4.1" (105 mm)
6.3 mil Data Matrix	0.9" (23 mm)	5.5" (140 mm)
10 mil Data Matrix	0.4" (10 mm)	6.7" (170 mm)
20.8 mil Data Matrix	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. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by The Code Corporation is under license. Other trademarks and trade names are those of their respective owners.

Performance Characteristics

Field of View	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 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
Ambient Light Immunity	Sunlight: Up to 9,000ft-candles/96,890 lux
Shock	Withstands multiple drops of 6' (1.8 Meters to concrete)
Power Requirements	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
Charging Station Communication Interfaces	USB 2.0 (Generic HID, HID Keyboard)
Reader Communication	Bluetooth 5 Low Energy (Class II)
Warranty	services.codecorp.com/protect/

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



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