



Code[®] CR2700

Wireless Healthcare Barcode Scanner

An Industry-leading Scanner for Worry-Free Workflows

The CR2700 is our most advanced healthcare barcode scanner—purpose-built to meet the demands of tough clinical workflows in patient care, pharmacies and labs. With CodeShield[®] Level 3 plastics, Bluetooth[®] 5 connectivity, and intuitive features that enhance both hygiene and performance, the CR2700 helps caregivers work faster, cleaner, and with greater accuracy. Its unparalleled scanning performance ensures healthcare teams can effectively scan small, damaged, or poorly printed barcodes to minimize disruptions.

Expect More

- High-speed, omnidirectional reading of 1D and 2D barcodes
- Powerful JavaScript platform for full control of your scanner and data
- Smart battery with built-in power gauge for proactive management
- QuickConnect to the host PC via charging base, dongle, or DirectConnect
- Multiple programmable buttons adapt to your workflows
- Night mode for scanning without disturbing resting patients
- Inductive charging eliminates contact failure caused by disinfectants

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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 (mm)	Max 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 GSI 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.

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Physical Characteristics

Palm Reader Dimensions	1.1" H x 2.1" W x 5.1" L (27 mm H x 52 mm W x 130 mm L)
Handle Reader Dimensions	5.1" H x 2.1" W x 5.1" L (129 mm H x 52 mm W x 130 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: 30° horizontal by 20° vertical; Wide Field: 50° horizontal by 33.5° vertical
Focal Point	High Density: approximately 100 mm; Wide Field: approximately 115 mm
Sensor	CMOS 1.2 Megapixel (1280 x 960) grayscale
Optical Resolution	High density: 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, 470 nm
Ambient Light Immunity	Sunlight: up to 9,000 ft-candles/96,890 lux
Shock	Withstands multiple drops of 6' (1.8 m) to concrete
Power Requirements	Reader @ 5vdc (mA): Typical = less than 200 mA; Idle = less than 90 mA
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)
Warranty	Visit the warranty page at pdchealthcare.com

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	ID: BC412, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GSI 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 ID: Codablock F, Code 49, GSI 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	GSI, HIBC, driver's licenses & ID cards
Data Structure Validation	ISO15418, ISO15434, HIBC UDI



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