

# CODE READER™ 4400

Revolutionizing Durability in Healthcare

D A T A   S H E E T

**code**<sup>®</sup>  
Expect More.

## More for Medical:

- Compatible with an Apple® iPhone® 5, 5s and SE; and iPod® 5th and 6th generation
- CodeShield® Disinfectant ready plastics
- Dragontrail glass screen protection
- Lightweight design combines easy-to reach buttons with an unobstructed view of the iPhone® or iPod® screen
- Bright, rectangular, blue LED aiming quickly and easily targets to reads all barcodes
- Secure and sealed, the housing protects against damage as well as water and debris ingress
- Seamlessly integrates with most mobile EHR applications, or develop a custom scanner application using our Software Development Kit
- Single and quad-bay charging station options
- Reads any healthcare barcode such as the ever frustrating saline bags



## Designed to protect your investment

Smart devices have never been more in demand among mobile-driven applications, and the CR4400 sled is leading the way in consolidating scanning and computing technologies.

Ideal for a clinician's fast-paced environment, the CR4400's sleek, ergonomic design features advanced imaging technology for increased productivity and mobile workflow efficiency.

The CR4400 barcode reading sled is the only one that features easily swappable batteries for 24/7 use, letting you worry less about power management and focus more on what matters! Its housing was durably engineered to withstand the rugged healthcare environment and constant use of the industry's harshest chemicals. The CR4400 delivers superior performance on all 1D, 2D and stacked barcode symbologies, and it includes a software development kit to tailor scanner applications.

For speed, efficiency and versatility, the CR4400 sled steps up as the ultimate solution to multiple challenges.

## Applications



## Features at a Glance



## Physical Characteristics

<b>Nominal Dimensions</b>	5.75" L x 2.7" W x 1.0" D (146 mm L x 68 mm W x 25 mm D)
<b>Nominal Weight (w/ battery &amp; phone)</b>	12.0 oz (300.0 g)
<b>Charging Station Dimensions</b>	4.6" L x 4.5" W x 2.7" H (117 mm L x 114 mm W x 69 mm H)
<b>Charging Station Weight</b>	5.3 oz (150.0 g)

## User Environment

<b>Operating Temperature</b>	0° to 35° C / 0° to 95° F
<b>Storage Temperature</b>	-30° to 45° C / -4° to 113° F
<b>Humidity</b>	5% to 95% non-condensing
<b>Decode Capability</b>	<p>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</p> <p>Stacked 1D: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417</p> <p>2D: Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1</p> <p>Proprietary 2D: GoCode® (Optional License Required)</p> <p>Postal Codes: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Post-net, UK Royal Mail, UPU ID-tags</p>
<b>Image Output Options</b>	Formats: JPEG or PGM
<b>Field Selection</b>	High Density or Wide Field
<b>Time Stamp</b>	Interval Logging
<b>Data Editing</b>	JavaScript (Additional License Required)

## Typical Working Ranges

Test Barcode	Min Inches (mm)	Max Inches (mm)
3 mil Code 39	3.1" (80 mm)	4.0" (102 mm)
7.5 mil Code 39	1.3" (33 mm)	7.2" (182 mm)
10.5 mil GS1 DataBar	0.8" (20 mm)	8.7" (220 mm)
13 mil UPC	1.1" (28 mm)	11.0" (280 mm)
5 mil Data Matrix	1.7" (43 mm)	4.5" (115 mm)
6.3 mil Data Matrix	1.3" (33 mm)	5.9" (150 mm)
10 mil Data Matrix	0.8" (20 mm)	7.1" (180 mm)
20.8 mil Data Matrix	1.1" (28 mm)	13.5" (343 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. Default automatic gain control settings were used with regular office lighting. Accuracy= +/- 10%. Test conditions may affect working ranges.

## Performance Characteristics

<b>Field of View</b>	High Density: 30° horizontal by 20° vertical Wide: 50° horizontal by 33.5° vertical
<b>Focal Point</b>	Approximately 100 mm
<b>Sensor</b>	CMOS 1.2 Megapixel (1280 x 960) gray scale
<b>Optical Resolution</b>	High Density Field: 960 x 640 Wide Field: 960 x 640
<b>Pitch</b>	± 65° (from front to back)
<b>Skew</b>	± 60° from plane parallel to symbol (side-to-side)
<b>Rotational Tolerance</b>	± 180°
<b>Symbol Contrast</b>	15% minimum reflectance difference
<b>Target Beam</b>	Single, blue targeting bar
<b>Ambient Light Immunity</b>	Sunlight: Up to 9,000ft-candles/96,890 lux
<b>Shock</b>	Without phone withstands multiple drops of 6' (1.8 Meters) to concrete With phone withstands multiple drops of 4' (1.22 meters) to concrete
<b>Memory Capacity</b>	128MB Flash ROM, 32MB RAM
<b>Battery Capacity (without phone)</b>	2,000 mAh
<b>Communication Interfaces</b>	USB, Wireless Interfaces Supported by iPhone 5/5s/SE and iPod Gen. 6
<b>Operational Modes</b>	iOS App Mode and iOS Keyboard Mode for iPhone and iPod
<b>Warranty</b>	<a href="http://services.codecorp.com/index.php/protect/">services.codecorp.com/index.php/protect/</a>

## Accessories

- Lithium-Ion Battery
- Single and quad-bay charging stations
- Carrying case, wrist, and shoulder lanyard



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