CODE READER™ 4400

Revolutionizing Durability in Healthcare

code®
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

IMAGER | 1D | 2D | PDF | POSTAL | CortexARM™ | JAVASCRIPT | USB | RS232 | BLUETOOTH | MEMORY | BORDER & KEYPAD | CODESHIELD®

Physical Characteristics

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

User Environment

Operating Temperature	0° to 35° C / 0° to 95° F
Storage Temperature	-30° to 45° C / -4° to 113° 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, Planet, Post¬net, UK Royal Mail, UPU ID-tags
Image Output Options	Formats: JPEG or PGM
Field Selection	High Density or Wide Field
Time Stamp	Interval Logging
Data Editing	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.

For more info or to order, contact a Howard Representative at the number below.

HOWARD™ | TECHNOLOGY

888.912.3151 | howardcomputers.com

Performance Characteristics

Field of View	High Density: 30° horizontal by 20° vertical Wide: 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	Without phone withstands multiple drops of 6' (1.8 Meters) to concrete With phone withstands multiple drops of 4' (1.22 meters) to concrete
Memory Capacity	128MB Flash ROM, 32MB RAM
Battery Capacity (without phone)	2,000 mAh
Communication Interfaces	USB, Wireless Interfaces Supported by iPhone 5/5s/SE and iPod Gen. 6
Operational Modes	iOS App Mode and iOS Keyboard Mode for iPhone and iPod
Warranty	services.codecorp.com/index.php/protect/

Accessories

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