code

CORE TECHNOLOGIES

The specifications and availability of Code products and services are subject to change at any time without prior notice.

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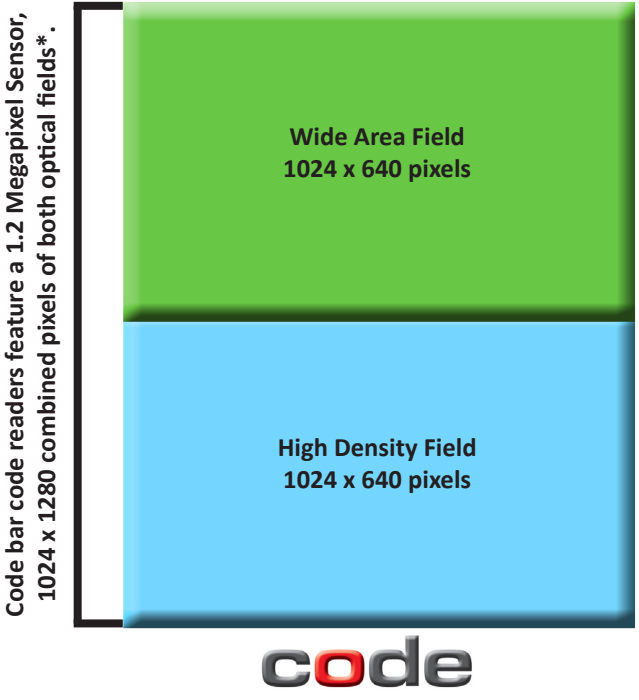
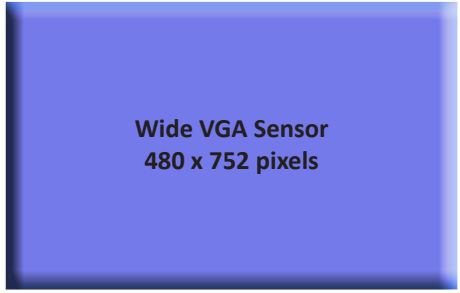
Core Technology: Dual-Field Optics

Code bar code readers are equipped with a patented dual-lens design that expands the reading range of the imager by providing two unique fields of view, a high-density field and a wide angle field, in one device. This gives users a single device, that will intuitively know which field should be used to read either a very wide bar code or a very small dense bar code. Having these two optical fields in the same reader allows users to have the versatility needed to seamlessly change applications without changing bar code readers.



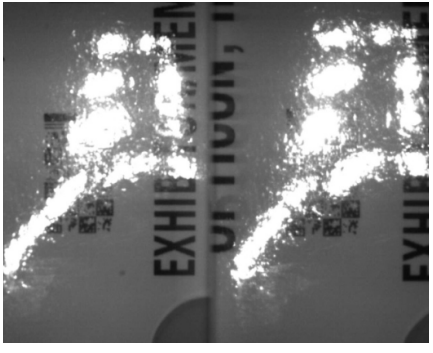


Typical Competitor

* CR8000 has a combined 960x640 pixel optical field

Core Technology: Glare Reducing Technology

Code bar code readers are rich with patented technologies to give users the best return on their investment. Code's glare reducing technology makes reading bar codes on shiny surfaces, mobile devices, or curved surfaces, quick and easy. Bar codes printed on shiny surfaces can reflect both illumination and ambient light back into the bar code reader that can render the bar code unreadable. Code's bar code readers are the only 2D area imagers in the industry that are equipped with a patented glare reduction technology that will significantly increase read rates in these environments.



What a competitor's imager will see.

What a code reader will see.

Core Technology: Modular Design

The ergonomic and innovative design of Code bar code readers allow users to select which hardware configuration best suits their individual and unique use case. Code readers are designed to be compact, lightweight, and modular. The modularity of a Code bar code reader allows for an easy transition from tethered to wireless or palm to handled, without the need of replacing the entire device to change to a wireless connection, or taking it out of service to charge a battery.

Code readers can be used as either hand-held scanners, or in hands-free mode with motion detection or continuous reading configurations. Code readers are compact and lightweight enough to be carried continually during a users' workday.

CR2500 configurations:

Palm style: a CR2500 and battery cartridge.

Remove the battery cartridge and replace with a battery handle.

Gun style: CR2500 and a battery handle.

Core Technology: Multiple Good Reader Indicators

Code readers are equipped with multiple feedback indicators to insure the user is aware of a ‘good read’, regardless of the environment they are used in. Feedback indicators can be used individually or combined for added peace of mind and efficiency. Code readers can be programmed to vibrate, beep, or flash an LED light to indicate that a good read has occurred. Enable one, or all, depending on your work environment.

The indicators, combined the omnidirectional reading of Code bar code readers, make the bar code reading process extremely fast and reliable.

Code readers can be programmed to beep to indicate that a good read has occurred.

Code readers will flash an LED light to indicate that a good read has occurred. For Code readers with a graphic display, the reader can be programmed to output the bar code data on the reader screen.

Code readers feature a vibrating motor that can be turned on or off. The feature is ideal for loud environments when you can’t hear an audible tone, and for quiet environments, when you don’t want to disturb others.

Core Technology: Small Footprint

Code products are not only lightweight and ergonomically designed, but they were designed with the users' work environment in mind. Code offers a complete line of tethered and wireless readers and chargers that take up limited workspace without compromising on performance.

The CR1000 is smaller than a business card!

The CR1400 fits comfortably in your hand.

Both the CR2500 and CR3500 are smaller than a mechanical pencil.

Core Technology: Wireless Bluetooth®

Code is an industry leader in integrating Bluetooth® technology with bar code reading. When paired with Code's patented CodeXML® modem, Code readers will securely transmit encrypted data, via Bluetooth up to 300' to a host computer, or system.

CodeXML® modems are simple hardware solutions for customers who wish to enjoy the benefits of wireless data collection without modifying existing applications or installing software. Simply plug the modem into a computer and the unit is ready. There is no need to load any drivers - including Bluetooth drivers.

Code's Bluetooth products use the most recent Bluetooth specifications, which has Adaptive Frequency Hopping Technology, thus insuring the data transmitted will not interfere with a WiFi Network.

For additional security, Code also has a full fine of FIPS certified products. Code's CR2500 FIPS, CR3500 FIPS and CodeXML® FIPS modems have proven to meet the strict federal government's wireless security standard and are the only bar code readers in the industry to have been awarded the Federal Information Processing Standard 140-2, Level 2 Certification. To receive this certification, Code successfully underwent the rigorous FIPS certification process for both its wireless bar code readers and Bluetooth modems, as outlined by the National Institute for Standards and Technology (NIST).

In addition to the more robust authentication and encryption features, Code's FIPS 140-2 bar code readers will ship with tamper-evident features to prevent physical access to the cryptographic modules.

Core Technology: Durability

Plastics have many advantages, but the main obstacle of using the material in manufacturing bar code readers is its vulnerabilities when it comes to cleaning. Some cleaning agents can actually damage, or breakdown, the plastic housing of a bar code reader, which will shorten its lifespan considerably, ultimately leaving end users with the replacement costs of those readers.

Code bar code readers, however, are built to last and withstand the cleaning agents used in most industries, particularly healthcare where disinfecting products used in patient care is necessary to avoid cross contamination.

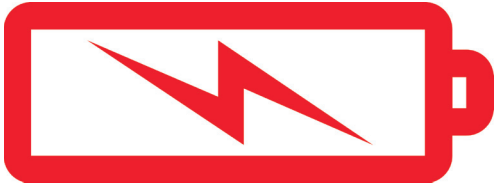
Code readers are built with Lexan plastic housings, a more durable plastic that stands up to the frequent, and often daily, cleaning from harsh cleaners. Additional features of Lexan include its broad design versatility which has allowed Code to design compact, ergonomic readers that can be customized and integrated into any industry. Lexan is also flame retardant, scratch resistant, weatherable, biocompatible and meets stringent FDA requirements.

The versatility of Lexan has also allowed Code to design a wide range of bar code readers that all have ‘drop shock’ specifications of 5’ or higher and IP Seal ratings up to 56, which give an added level of protection for the bar code reader against drops, dust and water which is often essential in high-use retail environments.

Code is committed to excellence in every way and our products are designed with Lexan disinfectant ready, rugged, plastic housings to insure our customers get the most of their hardware investment.

Core Technology: Power Management

Most bar code readers are designed without power requirements of the reader, or the environment they will be used in, being a focus. The end user application and power management restrictions plays an integral part of Code's bar code reader designs.



Code cabled readers require extremely low power consumption, thus limiting the battery drain on mobile devices, kiosks, and POS system, reducing overall costs when deployed throughout an operation. In addition, Code wireless bar code readers have replaceable battery cartridges that are long-life, allowing readers to be used for more than a complete shift at the highest use rate.

Core Technology: Summary

How Code stacks up:

	code	Competitors
1. Dual Field Optics	✓	
2. Glare Reducing Technology	✓	
3. Modular Design	✓	
4. Multiple Good Read Indicators	✓	
5. Small Footprint	✓	
6. Wireless Bluetooth®	✓	✓
7. Durability: IP54 Rating or Higher	✓	Few
Durability: Drop Tested to 5' or Higher	✓	Some
Durability: Disinfectant Ready Plastics	✓	Most
8. Power Management	✓	

Code Product Features

	CR1000	CR1200	CR1400	CR2500	CR3500	CR4100	CR8000
							
Dual field optics	●		●	●	●	●	●
Reads 1D and 2D bar codes	●	●	●	●	●	●	●
Anti-glare illumination technology	●		●	●	●	●	●
Modular design				●	●		
Audible and LED ‘good read’ feedback	●	●	●	●	●	●	●
Vibration ‘good read’ feedback		●	●	●	●	●	
Walk-away prevention				●	●		
Wireless via Bluetooth®				●	●	●	
WiFi						●	
WWAN						●	
FIPS compliant option available				●	●		
Wired via RS232 or USB	●	●	●	●	●	●	●
Wired via PS/2				●	●		
Disinfectant ready plastics (Lexan)	●	●	●	●	●	●	
IP Rating 54 or higher	●		●			●	
Drop tested to 5’ or higher	●	●	●	●	●	●	●*
Color Options	●		●			●	

* Tested within a plastic housing

Notes

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