


CORTEXDECODER®

CortexDecoder is the most innovative software-based barcode scanning solution on the market.

All the talk is about mobile data capture today for good reason. Accurate mobile data capture can eliminate critical gaps in enterprise visibility, it can efficiently streamline workflows, offer real-time decision making opportunities, and deliver the zero-miss scanning experience your app has been missing. With CortexDecoder you can turn any mobile device with an embedded camera into an enterprise-grade barcode reading solution.



Retail



Field Services



Manufacturing



Healthcare

Versatility for Every Industry

Whether reading barcodes from consumer packaged goods, prescription bottles, driver licenses, smartphone screens, circuit boards, engine parts, or microprocessors, this SDK will expand your market reach. CortexDecoder is a powerful and affordable standalone solution that your customers will love! Capture mission-critical data in real time with this flexible, high-performance solution.

CortexDecoder vs. Competitors



Best-in-Class Speed & Reliability

CortexDecoder is known for its unparalleled performance on any platform and operating system. With incredibly fast read times, the ability to read any barcode type, and the versatility to read damaged barcodes, CortexDecoder easily outperforms the competition.

18

Symbolologies read by Competitor A

17

Symbolologies read by Competitor B

42+

CortexDecoder

FEATURES	CORTEXDECODER	BENEFITS	COMPETITOR A	COMPETITOR B
Speed	4x faster than "A" & 2x faster than "B"	Fast, Consistent Performance	Slowest scan speed	2x faster than Competitor A
Symbolologies Supported	42+	Future-proof app support	18	17
Depth of Field (1920 x 1080 resolution, Auto Focus, 100% UPC)	16 Inches	Reads smaller codes over larger areas	13 Inches	9 Inches
QR Code Finder Pattern Damage	2 Finder Squares can be damaged	Resilience to print errors and real-world label wear and tear	No damage tolerance	No damage tolerance
Data Matrix Finder Pattern Damage	3 corners, including the apex of the L can be damaged. Substantial resilience to clocking pattern damage.		No damage tolerance	No damage tolerance

Simply the **fastest & most innovative** barcode scanning software available!



Processes more barcode symbologies faster than any competitor.



Easily decodes poor quality, damaged and even curved barcodes.



Integrates with any device and its embedded camera.



SDK compatibility with any operating system.

Android | iOS | Windows | Linux | OS X | Xamarin



Performance Characteristics

- 360 degree reading
- Reads barcodes reliably from mobile devices with 5% brightness
- Reads barcodes from broken phone screens
- Read Multiple Barcodes at Once
- Continuous Scan Mode
- Ability to read damaged barcodes with missing finder patterns
- Ability to read from curved or reflective surfaces
- Driver License Parsing
- GS1 Parsing
- UDI Parsing
- SDK for ease of implementation



Example Decoding Times

Intel i7 2.7 GHz: .1 to 3.1 milliseconds
 ARM 400 MHz: 5 to 131 milliseconds
 iPhone: 1 to 27 milliseconds

Time range reflects the fastest and slowest scan speeds when decoding each of the 42+ symbologies using the above defined processors.

42+ Symbologies Supported

DPM (Direct Part Marks)	Barcodes applied by laser or chemical etching, or inkjet printed. Will also read Data Matrix marks that have been dot peened to a surface.
1D	Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar (RSS), 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	GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
2D	Aztec Code, Code 49, Codablock F, Data Matrix, Han Xin, MaxiCode, Micro QR, QR Code, DMRE
Postal Codes	Australian Post, Intelligent Mail, Japan Post, KIX Code, PLANET, POSTNET, UK Royal Mail
Proprietary 2D	GoCode® (Additional License Required)

