code
ADVANCED BARCODE READERS



CODE READER™ 6000

Read barcodes of all shapes and sizes.

Not all barcodes are created equal. Enter the CR6000, an industrial grade direct part mark (DPM) imager designed to scan barcodes of every sort. The CR6000 effortlessly reads laser-etched, embossed, dot peen, low-contrast, and postal barcodes. It easily decodes dense and extremely small barcodes. Designed with multiple illumination fields, the CR6000 intuitively selects the field that is most efficient at reading each barcode type. This results in quick and accurate data collection from hard-to-read surfaces, damaged barcodes, and those that are smudged, dirty, or even caked with debris. This makes the CR6000 ideal for component tracking on assembly lines and other manufacturing applications.

In tough environments, a tool you can rely on.

Versatile and efficient, the CR6000 is an essential tool for high-traffic manufacturing operations with less-than-ideal environmental factors. With a durable, easy-to-clean plastic housing that protects against dust and dirt, the CR6000 is built to last with unrivaled performance and quality.

Features & Benefits

- Reads laser-etched and dot peen markings
- Reads color and low-contrast barcodes
- IP54 housing securely protects against dust and debris
- Small form factor for operator comfort
- Integrated metal clip or hook holder for ease of placement and retrieval
- User feedback with programmable LED, audible tone and vibrating good read indicators
- Operates hands-free or handheld
- Compatible with Code's CortexTools™ software configuration utility
- Data editing and parsing with JavaScript
- Optional stand



Applications

Manufacturing, automotive, heavy equipment, aerospace, and healthcare

Features at a glance



CODE READER™ 6000 SPECIFICATIONS

Physical Characteristics

CR6000 Dimensions	5.95" H x 3.67" L x 2.08" W (151 mm H x 93 mm L x 53 mm W)
CR6000 Weight	4.6 oz. (130 g)
Color Option	Dark gray
IP Rating	54

User Environment

Operating Temperature	-20° to 55° C / -4° to 131° F
Storage Temperature	-30° to 65° C / -22° to 150° F
Humidity	5% to 95% non-condensing
Decode Capability	**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, Interleaved 2 of 5, GS1 DataBar (RSS), Hong Kong 2 of 5, Maxtrix 2 of 5, MSI Plessey, 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, Data Matrix, Micro QR Code, QR Code, Han Xin
	Proprietary 2D: GoCode® (Additional License Required)
	Postal Codes: Australian Post, Intelligent Mail, Japan Post, KIX Code, PLANET, POSTNET, UK Royal Mail
Image Output Options	Formats: JPEG or PGM
Field Selection	Double wide field for contrast maximization
Data Editing	JavaScript (Additional License Required)

Working Ranges

CR6000 High Contrast Label and DPM Performance

Test Barcode	Min Inches (mm)	Max Inches (mm)
3 mil Code 39	1.0" (25 mm)	2.0" (50 mm)
7.5 mil Code 39	0.8" (20 mm)	5.9" (150 mm)
10.5 mil GS1 DataBar	0" (0 mm)	5.9" (150 mm)
13 mil UPC	0.6" (15 mm)	7.9" (200 mm)
4.2 mil DM	0.6" (15 mm)	1.8" (45 mm)
5 mil DM	0.6" (15 mm)	2.4" (60 mm)
6.3 mil DM	0.2" (5 mm)	3.0" (75 mm)
10 mil DM	0" (0 mm)	3.9" (100 mm)
20.8 mil DM	0.4" (10 mm)	7.9" (200 mm)

CR6000 Low Contrast Data Matrix DPM Performance

Test Barcode	Min Inches (mm)	Max Inches (mm)
Laser Marks	0" (0 mm)	1.4" (35 mm)
Dot Peen Marks	0" (0 mm)	2.8" (70 mm)

Note: Working ranges may vary based on barcode quality and reading environment.

Performance Characteristics

Field of View	50° horizontal by 33.5° vertical
Focal Point	Approximately 50 mm from the lens
Sensor	CMOS 1.2 Megapixel (1280 x 960) gray scale
Optical Resolution	960 x 640 per field
Pitch	± 60° (from front to back) for paper label, varies for DPM
Illumination	Diffuse bright field; dark field; direct bright field
Skew	± 60° from plane parallel to symbol (side-to-side) for paper label, varies for DPM
Rotational Tolerance	± 180° for paper label and DPM
Print Contrast	20% measured at 650 nm for paper label
Target Beam	Blue targeting bar
Ambient Light Immunity	Sunlight: Up to 9,000ft-candles/96,890 lux, paper label only
Shock	Withstands multiple drops of 6' (1.8 meters to concrete)
Memory Capacity	128MB Flash ROM, 32MB RAM
Communication Interfaces	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual Com Port)
Warranty*	3 years

Accessories

- Various Cable Options Available. Visit www.codecorp.com/cables.php for a list of compatible cables
- Stand

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Web: www.codecorp.com

*Warranty periods are North America specific.

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Solutions for Automatic Identification, Barcodes and Mobility

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About LOGISCENTER

Grupo Logiscenter is the leading provider in Europe of automatic identification and data capture equipments. Our products include barcode printing and reading devices, mobile computing devices, wireless access points, identification cards, and consumables.

Reasons to work with us

Our customers come first. Our objective is not only selling our products but also holding a long-lasting relationship with our customers, based on the befenits and advantages we create for you and your company.

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Solutions for: Industry • Consumer • Mobility Transportation and Logistics • Retail • Health



Label printers



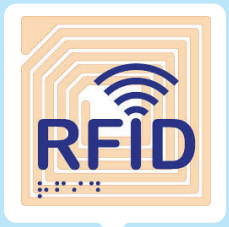
Barcode readers



Data terminals & PDA



PVC card printers



RFID



Consumables
(labels, ribbons, PVC cards)

All Brands Technical Service

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