

## LG2 SERIES

### FEATURES

- Reads all common linear and 2D symbologies
- Omni-directional decoding
- Image capture capability
- RS232, USB or Wedge (PS/2) interface
- Rugged, lightweight and durable
- Laser-guided targeting for locating desired bar code
- Choice of configurations
  - Cordless, store-and-forward
  - Cabled for traditional scanning



2D HANDHELD IMAGER

The LG2 is truly a revolutionary new imager. Not only does it read all the common 2 dimensional and matrix bar codes, it also provides omni-directional reading of bar codes. Ranked with the fastest 2D imagers available, the LG2 is great at reading both small, very high-density symbols as well as reading bar codes at extended ranges.

The technology employed to achieve this high performance is superior to most bar code imagers. Dual optical paths optimize reading at both near and far distances. 400 MHz, 32-Bit microprocessor operation means super-fast decoding and a 1.3 million pixel CMOS sensor assures quality, high density images. 8 MB of non-volatile on-board memory allows the LG2 to store enormous quantities of data.

The LG2 is rugged and built to last. It is designed for rough handling in tough environments and is lightweight enough for use in office or retail applications.

The cabled imager functions like a traditional scanner. RS232, USB or Wedge (PS/2) interfaces are available. The cordless, store-and-forward version operates like a portable data collector. Scanned bar codes are stored in non-volatile memory for later downloading or transmitting to the host; up to 4,000 reads can be stored from a single battery charge. That's enough memory to store an entire shift's data even in intensive scanning environments.

A convenient timestamp feature is useful for data logging. The handle can be removed for convenient palm-held use. A version incorporating real time, bluetooth radio operation is also available.

"We recommend Opticon scanners frequently because of the high level of abuse they can take."

### OUR PROMISE

*At Opticon, our mission is to provide bar code scanning products that are easy to use, built-to-last, fit your exact requirements and are supported by an experienced, responsive team of professionals. We believe that accomplishing our mission is dependent upon operating with a set of important core values—Passion, People, Creativity and Teamwork. All our employees work to understand and apply these values in everything that they do.*

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## 2D HANDHELD IMAGER

### OPTICAL

Field of View	21° horizontal x 15° vertical (approx)
Optical Resolution	1024 x 1280
Bar Code Density	
Linear	0.11 mm (4.2 mil) minimum
2D	0.15 mm (5.8 mil) minimum
Min PCS Value	0.35
Pitch	± 60°
Skew	± 60°
Rotation	± 180°

### ELECTRICAL

Voltage	2.5 to 5.5 VDC
Current	
Operating	140 mA
Standby	3 mA
Maximum	310 mA
Interface	RS232, USB or Wedge (PS/2)

### ENVIRONMENTAL

Temperature	
Operating	0° to 40° C (32° to 104° F)
Storage	-20° to 60° C (-4° to 140° F)
Humidity	5 - 95% non-condensing
Shock	Withstands multiple drops to concrete of 2 m (6.6 ft)
Regulatory	FCC Class B, CE Certified FCC ID: QQ6-CR201
Targeting Beam	Class II Visible Laser Diode (λ = 630 nm)

### PHYSICAL

Dimension	109 x 46 x 130 mm (4.3 x 1.8 x 5.1 in)
Weight	
Cabled	144 g (5.1 oz)
Non-Cabled	190 g (6.8 oz)
Cable Length	USB = 1.8 m (6 ft) RS232 = 2.4 m (8 ft) coiled PS/2 = 2.4 m (8 ft) coiled

### ORDERING INFORMATION

Part Number	Description
LG-KC2G04R1-01	LG2, RS232 Imager Kit*
LG-KC2G03U1-01	LG2, USB Imager Kit*
LG-KC2G04W1-01	LG2, Wedge (PS/2) Imager Kit*
02-BATLION-01	LiON, 1300 mAh Battery
32-LG2CCHG01-01	Dual Bay Battery Charger
28-LG2STD-01	Hands Free Stand

\* Kit consists of 2D Imager, gun handle, cable, power supply (RS232), blank battery and quick start guide.

### SYMBOLOGIES

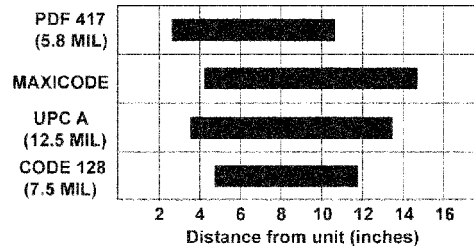
#### 2D BAR CODES

MaxiCode, PDF417, Data Matrix, QR Code, MicroPDF, GoCode, UCC RSS Composite, Aztec Code

#### LINEAR BAR CODES

Code 39, Code 128, UPC/EAN/JAN, I 2 of 5, Codabar (NW7), Code 93, UCC RSS, POSTNET, PLANET, Japanese Post, Australia Post

### READING RANGE (TYPICAL)



(See user manual for more detailed reading chart)

### IMAGE OUTPUT

Format	JPEG and BMP
Resolution	Up to 1024 x 640
Color	Grey Scale - 256 levels

### WARRANTY

Opticon LG2 imagers are warranted for a period of one (1) year, including parts and workmanship. Visit our web site for details.

### TECHNICAL SUPPORT / SALES

Opticon's experienced, well trained technical support team is available to answer questions and assist you in every way possible in support of our products. Call today to find out how the scanner can be adapted to your design: 800.636.0090, or visit our web site at [www.opticonUSA.com](http://www.opticonUSA.com).

25-DLG2MU01-01 Rev A  
Specifications subject to change without prior notice.



CUSTOM-BUILT. BUILT TO LAST.



### OPTICON, INC.

8 Olympic Drive Orangeburg, NY 10962  
Toll Free 800.636.0090 Tel 845.365.0090 Fax 845.365.1251  
[www.opticonUSA.com](http://www.opticonUSA.com)