

LG2 WIRELESS SERIES

FEATURES

- Bluetooth™ wireless technology
- Working range up to 300 feet
- Real-time data transmission
- Reliable bi-directional data transfer
- Reads all common linear and 2D symbologies
- Rugged, lightweight and durable
- Image capture capabilities
- Choice of Bluetooth™ base station
 - USB adapter
 - PCMCIA PC card
 - PDA compact flash card



2D HANDHELD IMAGER



Bluetooth™ USB Adapter



Bluetooth™ PCMCIA PC Card



Dual Bay Battery Charging Cradle

The LG2 is an innovative imager that uses advanced Bluetooth™ wireless and superior CMOS bar code technology combined in a futuristic package. The versatility and flexibility of the LG2 architecture gives you the highest performance and protects your investment against future application demands.

Bluetooth™ wireless technology gives you a cable-free imager for mobile applications. The imager can be configured to retain data in nonvolatile memory or transfer in real time. The Bluetooth™ protocol gives reliable data transfer at extremely low power consumption at ranges up to 300 feet.

Plug-and-play external Bluetooth™ adapters with different interfaces such as USB, PCMCIA cards and PDA compact flash cards can be easily configured as base stations at very low cost. You can also connect the LG2 imager to any Bluetooth™ enabled device including PDAs or printers.

Special Bluetooth™ routing software enhances bi-directional wireless transmissions. CodeXML Router – BE™ software monitors wireless communication to ensure that data is not lost, even if the LG2 is taken out of range.

The Quick Connect Code™ technology links the LG2 with other Bluetooth enabled devices easily by scanning a barcode with unique Bluetooth™ address.

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 micro-processor 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.

"Because our
scanners perform
a vital task, we
chose Opticon."

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

BLUETOOTH™

Bluetooth™ Compliance	Version 1.1
Operating Frequency	2.4 to 2.4835 GHz
Profile Supported	Serial Port Profile (SPP)
Antenna	Internal
Data Rate	Up to 723 kb/s
Operating Range	100 meter (328 feet) Class 1 radio

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	
Battery	4.4 to 6.5 VDC
Current	
Operating	140 mA
Standby	3 mA
Maximum	310 mA

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 (6.56 ft)
Regulatory	FCC Class B, CE Certified FCC ID: QQ6-CR201
Targeting Beam	Class II Visible Laser Diode (λ = 630 nm)

PHYSICAL

Dimension (L x W x H)	109 x 46 x 130 mm (4.3 x 1.8 x 5.1 in)
Weight	190 g (6.8 oz)



ORDERING INFORMATION

Part Number	Description
LG-KC2G02U2-01	Kit consists of 2D Imager, gun handle, cable, blank battery, LiON battery, Internal Bluetooth™ radio and quick start guide.
LG-KC2G02U2-02	Kit consists of LG-KC2G02U2-01 and 14-U1B1E01-01.
14-U1B1E01-01	USB Bluetooth™ Adapter*
14-PCB1P01-01	PCMCIA Bluetooth™ PC Card*
14-PCB1P02-01	CF Bluetooth™ PDA Card*
42-LG2ROUTWS-01	CodeXML Router Software for Windows™
42-LG2ROUTCE-01	CodeXML Router Software for Pocket PC™
02-BATLION-01	LiON, 1300 mAh Battery
32-LG2CCHG01-01	Dual Bay Battery Charging Cradle
28-LG2STD-01	Hands Free Stand

* Package consists of Bluetooth™ hardware, Bluetooth™ drivers on CD ROM, 3 Quick Connect™ labels and quick start guides.

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)

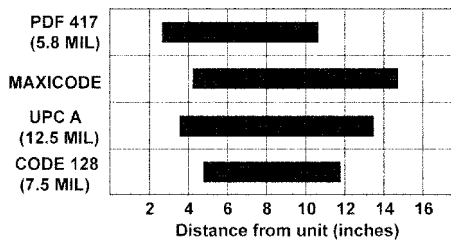


IMAGE OUTPUT

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.

25-DLG2B101-01 Rev A

Specifications subject to change without prior notice.

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