

# Handheld 2-Dimensional Code Reader V530-LG2 Series

- Reads all common linear and 2-D symbologies
- Omni-directional decoding
- RS-232C or USB interface
- Rugged, lightweight and durable
- Laser-guided targeting for locating desired bar code
- Choice of configurations
  - Cordless, batch
  - Cabled for traditional scanning



## Features

The LG2 is truly a revolutionary new bar code reader. Not only does it read all the common 2-dimensional and matrix bar codes, it also provides omni-directional reading of bar codes. 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 readers. 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 most industrial applications.

Either an RS-232C or USB interface cable is available. Configured for cordless, batch operation, it can be used 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.

## Ordering Information

### ■ List of Models

**Stock Note:** Shaded models are normally stocked.

Item	Model
Core 2D imager head	V530-LG2CR
Handle for gun style	V530-LG2HNDL01
6 ft. straight cable, USB	V530-LG2U1S
8 ft. coiled cable, RS-232C with power supply	V530-LG2R1C
Blank battery compartment	V530-LG2BAT001
Hands-free metal stand	V530-LG2STD
2-day battery charger with power supply	V530-LG2CCHG01
Lion Battery, 1300 mA	V530-BATLION

# Specifications

## ■ Optical

Item	Description	
Field of view	21° horizontal x 15° vertical (approx.)	
Optical resolution	1024 x 1280	
Bar code density	Linear	4.2 mil (0.11 mm) minimum
	2-D	7.5 mil (0.19 mm) minimum
Print contrast (minimum)	Linear	25%
	2-D	35% (PDF417)
Pitch	±60°	
Skew	±60°	
Rotation	±180°	

## ■ Electrical

Item	Description	
Voltage	2.5 to 5.5 VDC	
Current	Operating	140 mA
	Standby	3 mA
	Maximum	310 mA
Interface	RS-232C, USB	

## ■ Environmental

Item	Description	
Temperature	Operating	0° to 40° C (32° to 104° F)
	Storage	-20° to 60° C (-4° to 140° F)
Humidity	5 to 95% non-condensing	
Shock	Withstands multiple drops to concrete of 6.6 feet (2 meters)	
Regulatory	FCC class B, CE certified FCC ID: QQ6-CR201	
Targeting beam	Class II visible laser diode (630 nm)	

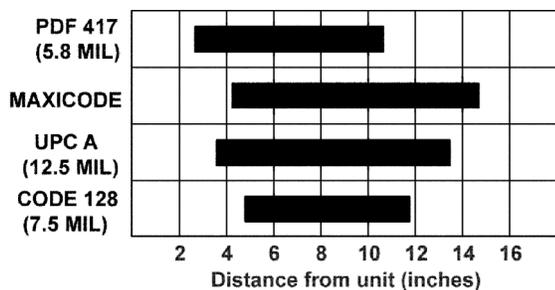
## ■ Physical

Item	Description	
Dimension	109.22 x 45.72 x 129.54 mm (4.3 x 1.8 x 5.1 inches)	
Weight	Cabled	144 g (5.1 oz)
	Non-cabled	190 g (6.8 oz)
Cable length	USB = 1.8 m (6 ft) RS-232C = 2.4 m (8 ft)	

## ■ Symbolologies

Item	Description
2-D 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)



## ■ Wiring

Name	Pin number	Color
V+	1	Red
TX	2	
RX	3	
NC		
NC		Black
NC		
NC		
GND	5	
NC		
---	Shell	

**Note:** 5 V power pack supplied with serial cable.

## ■ Caution



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**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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