

# 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<br>FCC ID: QQ6-CR201               |
| Targeting beam | Class II visible laser diode (630 nm)                        |

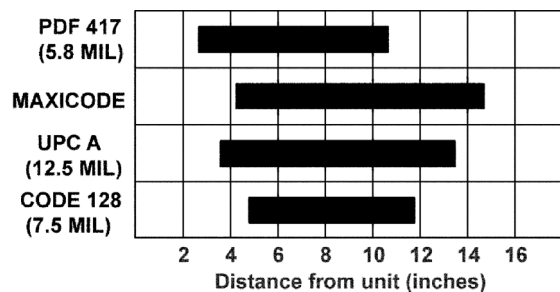
## ■ Physical

| 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   |            |       |
| NC   |            | Black |
| NC   |            |       |
| GND  | 5          |       |
| NC   |            |       |
| ---  | Shell      |       |

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

## ■ Caution

