

C-37

CCD Linear Imager

The C-37, a rugged, reliable, very affordable CCD barcode scanner, features a scan rate of 200 scans/sec and sustains a drop from 1.5 m to concrete. Great for administrative records control, healthcare or retail applications.



Highlights

- Affordable, durable and reliable, a proven performer
- Scanner contains no moving parts
- Enhanced decoding algorithms for ultra-fast (200 scans/second) barcode scanning
- Reads 1D barcodes from LCD screens
- Durable – survives 1.5 meter drop to concrete
- IP42 rating against dust and moisture
- Trigger modes: manual and auto-trigger
- Compact size and weight: 53 x 75 x 150 mm (W x H x D) and 90 grams
- Communication interface: RS232, or USB
- Available in black or white
- Backed by a two year warranty



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Product Specifications

Operating indicators

Visual: 1 LED (red/green/orange)

Non-visual: buzzer

Operating keys

Entry options: 1 scan key

Communication

RS232: DB9 connector with external power supply

USB: Ver. 1.1, HID/VCP, USB-A connector

Power

Voltage requirement: 5V \pm 10% (USB), 6V (min. 4.5, max 6.6V) (RS232)

Barcode scanner optics

Light source: 630 nm, red LED

Scan method: CCD linear image sensor, 2500 pixels

Scan rate: 200 scans/sec

Trigger mode: Manual, auto-trigger

Reading pitch angle: \pm 30°

Reading skew angle: -30° to +70°

Reading tilt angle: \pm 25°

Curvature: R \geq 15 mm (EAN 8), R \geq 20 mm (EAN 13)

Min. resolution at PCS 0.9: 0.125 mm / 5 mil

Min. PCS value: 0.45

Depth of field at code 39: 0 - 15 mm / 0 - 0.59 in

Supported symbologies

Barcode (1D): JAN/UPC/EAN incl. add on, Codabar / NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic

Postal code: Chinese Post, Korean Postal Authority code

Durability

Temperature in operation: 0 to 50 °C / 32 to 122 °F

Temperature in storage: -20 to 60 °C / -4 to 140 °F

Humidity in operation: 5% to 95% (non-condensing)

Humidity in storage: 5% to 95% (non-condensing)

Ambient light immunity: Fluorescent 10,000 lx max, Incandescent 10,000 lx

Max drop test: 1.5 m / 5 ft drop onto concrete surface

Vibration test: 10 - 100Hz with 2G for 1 min

Protection rate: IP42

Physical

Dimensions (W x H x D): 53 x 75 x 150 mm / 2.09 x 2.95 x 5.91 in.

Weight body: Ca. 90 g / 3.2 oz (excl. cable)

Case: ABS, Black, White

Regulatory & safety

Product compliance: CE, FCC, VCCI, RoHS, JISC6802, EN60825, EN55022, EN55024

Models

Interface versions: RS232, USB

Color versions: Black, White