

C-41S

CCD Linear Imager

The C-41S is a handheld CCD barcode scanner that features a simple ergonomic design and enhanced decoding algorithms for ultra-fast barcode scanning. It's capable of scanning barcodes from LCD screens and mobile phones.



Highlights

- Cabled, handheld CCD barcode scanner that's reliable and affordable
- Enhanced decoding algorithms for ultra-fast (300 scans/second) barcode scanning
- Single red LED aiming line helps to quickly find the appropriate scanning position
- Reads 1D barcodes from LCD screens and mobile phones
- Durable—survives 1.5 meter drop to concrete
- IP42 rating against dust and moisture
- Trigger modes: manual and auto-trigger
- Compact size and weight: 55.9 x 33.8 x 154 mm (W x H x D) and 55 grams
- Communication interface USB
- Available in black or white (the white version is antimicrobial)
- 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

USB: Ver. 2.0, HID/VCP, USB-A connector

Power

Voltage requirement: 5V $\pm$ 10%

Current consumption: 170 mA

Barcode scanner optics

Light source: 1 red LED, 624 nm

Scan method: CCD linear image sensor, 1500 pixels

Scan rate: 300 scans/sec

Trigger mode: Manual, auto-trigger

Reading pitch angle: $\pm$ 50°

Reading skew angle: -65° to 8°, 8° to +65°

Reading tilt angle: $\pm$ 25°

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

Min. resolution at PCS 0.9: 0.076 mm

Depth of field at code 39:

40 - 90 mm (0.127 mm) / 1.57 - 3.54 in (5 mil)

35 - 120 mm (0.15 mm) / 1.38 - 4.72 in (6 mil)

20 - 220 mm (0.25 mm) / 0.79 - 8.66 in (10 mil)

30 - 320 mm (0.5 mm) / 1.18 - 12.60 in (20 mil)

45 - 600 mm (1.0 mm) / 1.77 - 23.62 in (39 mil)

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) (excl. stacked), 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: 10,000 lx

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

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

Protection rate: IP42

Physical

Dimensions (W x H x D): 55.9 x 33.8 x 154 mm / 2.2 x 1.33 x 6.06 in

Weight body: Ca. 55 g / 1.9 oz (excl. cable)

Case: ABS, Black or White (Antimicrobial optional)

Regulatory & safety

Product compliance: CE, FCC, VCCI, RoHS, IEC62471, EN61000, EN55022, EN55024