

# NFT7175

Barcode CCD scanner

RS232



### + Related products

#### NFT7345

- Stationary device
- Barcode infrared scanner
- RS232
- Sheet metal



#### NLV2001

- Stationary device
- Barcode laser scanner
- RS232, Keyboard Wedge, USB (HID/VCP)
- IP 67, Metal



#### NLB1000

- Stationary device
- Barcode laser scanner
- RS232, USB (VCP)
- IP 54, Metal diecast, 1000 scans/sec



### Operating indicators

- Visual: 1 LED (red/green/orange)
- Non-visual: Buzzer

### Communication

- RS232: DB25 F connector with external power supply

### Power

- Voltage requirement: 5 V  $\pm$  5%
- Current consumption: 220 mA (typical use)

### Barcode scanner Optics

- Light source: 660 nm red LED
- Scan method: CCD linear sensor
- Scan rate: 700 scans/sec
- Trigger mode: Multiple read, serial software trigger
- Reading pitch angle: -6 to 0°, 0 to +6°
- Reading skew angle: I-type: -30 to -10°, +10 to +30° / L-type: -25 to -10°, +10 to +25°
- Reading tilt angle: -10 to 0°, 0 to +10°
- Focal plane: 35 mm / 1.38 in
- Min. resolution at PCS 0.9: 0.2 mm / 0.15 mm at 60 mm reading length
- Min. PCS value: 0.45
- Depth of field:
  - I-type: Ca. 30 - 42 mm / 1.18 - 1.65 in (Ca. -5 to +5 mm from focal plane),
  - L-type: Ca. 30 - 41 mm / 1.18 - 1.61 in (Ca. -5 to +6 mm from focal plane)

### Supported Symbolologies

- Barcode (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 39, Code 93, Code 128, GS1-128 (EAN-128), IATA, Industrial 2of5, Interleaved 2of5, MSI/Plessey

### Durability

- Temperature in operation: 0 to 40 °C / 32 to 104 °F
- Temperature in operation: -10 to 60 °C / 14 to 140 °F
- Humidity in operation: 20 - 80 % (non-condensing)
- Humidity in storage: 20 - 90 % (non-condensing)
- Ambient light immunity:
  - I-type: White 10,000 lx, Fluorescent 3,000 lx max,
  - L-type: White 5,000 lx max, Fluorescent 5000 lx max
- Antistatic electricity: 15kV (non-destructive)
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Vibration test: 12 - 100 Hz with 2G for 3 hours

### Physical

- Dimensions (w x h x d):
  - I-type: 55 x 47 x 20 mm / 2.17 x 1.85 x 0.79 in,
  - L-type: 52 x 55 x 20 mm / 2.05 x 1.85 x 0.79 in
- Weight body: I-type: Ca. 100 g / 3.5 oz (excl. cable) ,  
L-type: Ca. 110 g / 3.9 oz (excl. cable)
- Case: Sheet metal, Black

### Regulatory & Safety

- Product compliance: EN 55022, EN 55024

### Sold separately

- Power supply 230V-5V/500mA (for RS232)

### Models

- Scan versions: I-type, L-type

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