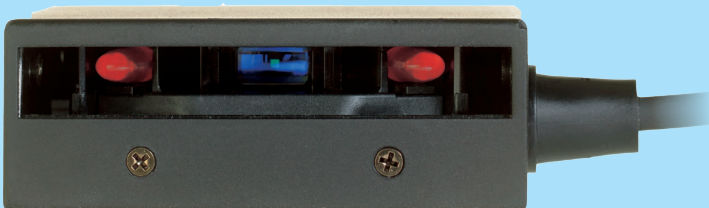


NFT-8175

Fixed Position CCD Scanner



Highlights

- Best cost-to-performance ratio in fixed mount CCD scanners
- Extremely fast at 700 scans per second
- Packaged in a compact, durable metal housing
- Complete unit with integrated decoder
- Easily adapts into a wide variety of OEM and fixed mount scanning applications
- Two models available: I - the scan window is in the front, L - the scan window on the side
- Compact size and weight – 2.17" x 1.85" x 0.79" (WxHxD), 3.5-3.9 ounces
- Communication interface: RS232 or USB
- Two year warranty

NFT-8175

Product Specifications

OPERATING INDICATORS

VISUAL: 1 LED (red/green/orange)

AUDIBLE: Buzzer

COMMUNICATION

RS232: DB25 F connector with external power supply

USB: Version 2.0, HID/VCP, USB-A connector

POWER

VOLTAGE REQUIREMENT: 5V +/- 5% Current consumption: 220mA (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: -30 to -10°, +10 to +30°

READING TILT ANGLE: -20 to 0°, 0 to +20°

FOCAL PLANE:

I-type: 1.39 in (35.4 mm)

L-type: 1.95 in (31.4 mm)

MINIMUM RESOLUTION AT PCS 0.9: 0.2 mm (0.15 mm at 60 mm reading length)

MINIMUM PCS VALUE: 0.45

DEPTH OF FIELD:

I-type: Ca. 1.18 - 1.65 in (30 - 42 mm)

(Ca. -5 to +5 mm from focal plane)

L-type: Ca. 1.18 - 1.61 in (30 - 41 mm)

(Ca. -5 to +6 mm from focal plane)

CURVATURE: R>30 mm (EAN 8), R>20 mm (EAN 13)

SUPPORTED SYMBOLOGIES

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:

Operation: 0 to 40 °C / 32 to 104 °F

Storage: -10 to 60 °C / 14 to 140 °F

HUMIDITY:

Operation: 20 - 85% (non-condensing)

Storage: 20 - 90% (non-condensing)

AMBIENT LIGHT IMMUNITY:

Incandescent: 5,000 lx max

Fluorescent: 5000 lx max

ANTISTATIC ELECTRICITY: 15kV (non-destructive)

DROP TEST: 2 ft (0.6 m) drop onto concrete surface

Vibration test: 10 - 100 Hz with 2G for 3 hours

PHYSICAL

DIMENSIONS (WXHxD):

I-type: 2.17 x 1.85 x 0.79 in (55 x 47 x 20 mm)

L-type: 2.05 x 1.85 x 0.79 in (52 x 55 x 20 mm)

WEIGHT BODY:

I-type: Ca. 3.5 oz (100 g) (excl. cable)

L-type: Ca. 3.9 oz (110 g) (excl. cable)

CASE: Sheet metal, Black

REGULATORY AND SAFETY

Product compliance: CE, FCC, RoHS, EN60950-1, IEC60950-01, IEC60825-1, EN55022, EN55024

SOLD SEPARATELY

POWER SUPPLY: 230V, 50 Hz, 5V/500mA (for RS232)

MODELS

SCAN VERSIONS: I-type, L-type

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