NLV-4001

CCD Barcode Scanner

Highlights

- Fixed mount CCD barcode scanner that's reliable, durable 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

- Capable of scanning negative bar codes (white bars on black spaces)

- Complete unit with integrated decoder

- IP 65 rating against dust and moisture

- Communication interface: USB or RS232

- Backed by a two year warranty

≡ OPTICON

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Product Specifications

OPERATING INDICATORS

VISUAL: 1 LED (red/green/orange)

AUDIBLE: Buzzer

COMMUNICATION

RS232: No connector

USB: COM/VCP, USB-A connector

POWER

VOLTAGE REQUIREMENT: 5V ± 10%

CURRENT:
Operating: 180mA
Standby: 50mA

BARCODE SCANNER OPTICS

ENGINE: Opticon

LIGHT SOURCE: 624 nm visible Red LED

SCAN METHOD: Uni-directional scanning

SCAN RATE: 300 scans/sec

TRIGGER MODE: Single read, multiple read auto-trigger, serial software trigger

READING PITCH ANGLE: -45 to 0°, 0 to +45°

READING SKEW ANGLE: -65 to -8°, +8 to +65°

READING TILT ANGLE: -25 to 0°, 0 to +25°

CURVATURE: R>15 mm (EAN 8), R>20 mm (EAN 13)

MINIMUM RESOLUTION AT PCS 0.9: 5 mil (0.127 mm)

MINIMUMN PCS VALUE: 0.30

DEPTH OF FIELD AT PCS 0.9 CODE 39:
39 mil (1.0 mm) 3.35 - 19.69 in (85 - 500 mm)
20 mil (0.5 mm) 2.36 - 12.79 in (60 - 325 mm)
5 mil (0.127 mm) 2.36 -6.30 in (60 - 160 mm)

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, S-Code, Telepen, Tri-Optic, UK/Plessey

BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority code

DURABILITY

TEMPERATURE:
Operation: 23 to 122 °F (-5 to 50 °C)
Storage: -4 to 140 °F (-20 to 60 °C)

HUMIDITY:
Operation: 10 - 90% (non-condensing)
Storage: 5 - 95% (non-condensing)

AMBIENT LIGHT IMMUNITY: 10,000 lx max

ANTISTATIC ELECTRICITY: 8kV (non-destructive)

DROP TEST: 2.5 ft (0.75 m) drop onto concrete surface

PROTECTION RATE: IP 65

PHYSICAL

DIMENSIONS (WXHXD): 1.30 x 0.94 x 1.62 in
(33 x 24 x 41.1 mm)

WEIGHT BODY: Ca. 1.7 oz (50 g) (incl. RS232C cable),
Ca. 1.86 oz (55 g) (incl. USB cable)

CASE: ABS, Black

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, RoHS
IEC62471, EN55022, EN55024, FCC Part 15 Subpart B
Class B, EN61000-6-1