NLV-3101

Fixed position 2D Imager

HIGHLIGHTS

High speed scanning
Data editing program
Most compact 2D scanner
LED aiming
Various interfaces

OPTICON

NLV-3101

Basic product specifications

OPERATING INDICATORS

VISUAL: 1 LED (red/green/orange) NON-VISUAL: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

RS232: DB9 PTF connector with external power supply KEYBOARD WEDGE: Mini-DIN6 connector with external power supply USB: Ver. 2.0, VCP, USB-A connector

POWER

VOLTAGE REQUIREMENT: 6V +/- 5% CURRENT CONSUMPTION: Max. 200mA

2D IMAGER OPTICS

LIGHT SOURCE: Aiming green LED, illumination LEDs SCAN METHOD: CMOS area sensor, 752 x 480 pixels, gray scale SCAN RATE: Up to 60 fps IMAGE FORMAT: Windows Bitmap, JPEG, TIFF GRADULATION: 256, 16, 2 IMAGE OUTPUT MODE: 4 resolutions (full, 1/2, 1/3, 1/4), 2 ranges (horizontal, vertical) READING PITCH ANGLE: -50 to 0˚, 0 to +50˚ READING SKEW ANGLE: -50 to 0˚, 0 to +50˚ READING TILT ANGLE: 360˚ CURVATURE: R>16 mm (10-digit Codabar), R>20 mm (12-digit UPC) MIN. RESOLUTION AT PCS 0.9: 0.169 mm / 7 mil at PDF417, 0.212 mm / 8 mil at QR Code and DataMatrix MIN. PCS VALUE: 0.3 FIELD OF VIEW: Horizontal 40.6˚, Vertical 26.4˚ DEPTH OF FIELD: At Code 39, 85 - 125 mm / 3.35 - 4.92 in (0.127 / 5 mil), 65 - 205 mm / 2.56 - 8.07 in (0.254 mm / 10 mil), 60 - 295 mm / 2.36 - 11.61 in (0.508 mm / 20 mil DEPTH OF FIELD: At QR Code, 90 - 115 mm / 3.54 - 4.53 in (0.212 mm / 8.4 mil), 55 - 195 mm / 2.17 - 7.68 in (0.381 mm / 15 mil)

SUPPORTED SYMBOLOGIES

BARCODE (1D): UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Addon, EAN-8, EAN-8 Add-on, JAN-8, JAN-13, Code 39, Tri-Optic, Codabar (NW-7), Industrial 2 of 5, Interleaved 2 of 5, S-Code, IATA, Code 93, Code 128, MSI/Plessey, UK/Plessey, TELEPEN, Matrix 2of5, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Composite GS1-DataBar, Composite GS1-128, Composite EAN, Composite UPC POSTAL CODE: Chinese Post, Korean Postal Authority code 2D CODE: PDF417, MicroPDF417, Codablock F, QR Code, Micro QR Code, DataMatrix (ECC 200), MaxiCode (Modes 2 to 5), Aztec Code, Chinese Sensible Code, Passport MRZ (OCR-B)

DURABILITY

TEMPERATURE IN OPERATION: -20 to 50 ˚C / -4 to 122 ˚F TEMPERATURE IN STORAGE: -20 to 60 ˚C / -4 to 140 ˚F HUMIDITY IN OPERATION: 20 - 85% (noncondensing) HUMIDITY IN STORAGE: 20 - 90% (non-condensing AMBIENT LIGHT IMMUNITY: Fluorescent 10,000 lx max, Direct sun 100,000 lx max, Incandescent 10,000 lx max ANTISTATIC ELECTRICITY: 15kV (non-destructive) DROP TEST: 0.75 m / 2.5 ft drop onto concrete surface VIBRATION TEST: 10 - 100 Hz with 2G for 1 hour PROTECTION RATE: IP 65

PHYSICAL

DIMENSIONS (W X H X D): 33 x 24 x 41.1 mm / 1.30 x 0.94 x 1.62 in WEIGHT BODY: Ca. 30 g / 1.06 oz (excl. cable) CASE: ABS, Black

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC Class B, VCCI Class B, RoHS, IEC 62471, EN55022, EN55024, FDA CDRH Class II

© COPYRIGHT OPTICON. ALL RIGHTS RESERVED. THIS INFORMATION IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. FOR AVAILABILITY, CONTACT YOUR LOCAL REPRESENTATIVE.