OPN-3002n 2D data collector





HIGHLIGHTS

- High speed 2D scanning
- Bluetooth 2.1
- Ultra compact
- Lightweight design
- Programmable

SCALE 1:1



OPTICON

OPN-3002n

> BASIC PRODUCT SPECIFICATIONS

OPERATION

CPU: 32-bit CISC / 96 MHz O/S: Proprietary RTC: Supports year, month, day, hour, minute, second (leap year supported)

MEMORY

FLASHROM: 1 MB SRAM: 96 kB

OPERATING INDICATORS

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

OPERATING KEYS

ENTRY OPTIONS: 2 keys total, 1 function key, 1 scan key

COMMUNICATION

USB: mini USB BLUETOOTH: Ver. 2.1, SPP, HID, 1 to 1 connection, master / slave mode, authentication and encryption

POWER

OPERATING TIME: 10 hours (2 scans / 10 sec incl Bluetooth communication)

2D IMAGER OPTICS

LIGHT SOURCE: Green aiming LED, 2 illumination red LEDs SCAN METHOD: CMOS area sensor, 752 x 480 pixels SCAN RATE: Up to 60 fps READING PITCH ANGLE: -50 to 0˚, 0 to +50˚ READING SKEW ANGLE: -50 to 0˚, 0 to +50˚ READING TILT ANGLE: 360˚ FOCAL DISTANCE: 124.8 mm / 4.91 in from front CURVATURE: R>20 mm (12 digits) R>16 mm (10 digits) MIN. RESOLUTION AT PCS 0.9: 0.127 mm / 5 mil MIN. PCS VALUE: 0.30 FIELD OF VIEW: Horizontal 40.6º, Vertical 26.4º DEPTH OF FIELD: At Code 39, 90 - 110 mm / 3.54 - 4.33 in (0.127 mm / 5 mil), 65 - 185 mm / 2.56 - 7.28 in (0.254 mm / 10 mil), 65 - 260 mm / 2.56 - 10.24 in (0.508 mm / 20 mil) DEPTH OF FIELD: At QR Code 90 - 110 mm / 3.54 - 4.33 in (0.212 mm / 8.4 mil), 55 - 180 mm / 2.17 - 7.09 in (0.381 mm / 15 mil) * The depth of field depends on the view angle and symbol length

SUPPORTED SYMBOLOGIES

BARCODE (1D): UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Add-on, 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 0 - 140 / ECC 200), MaxiCode (Modes 2 to 5), Aztec Code, Chinese Sensible Code

DURABILITY

TEMPERATURE IN OPERATION: 0 to 50 ˚C / 32 to 122 ˚F TEMPERATURE IN STORAGE: -20 to 60 ˚C / -4 to 140 ºF HUMIDITY IN OPERATION: 20 - 85% (non-condensing) HUMIDITY IN STORAGE: 20 - 85% (non-condensing) AMBIENT LIGHT IMMUNITY: Fluorescent 10,000 lx max, Direct sun 100,000 lx max, Incandescent 10,000 lx max DROP TEST: 1.5 m / 5 ft drop onto concrete surface

PHYSICAL

DIMENSIONS (W X H X D): 36 x 83 x 21.5 mm / 1.42 x 3.27 x 0.85 in WEIGHT BODY: Ca. 57 g / 2 oz (incl. battery) CASE: ABS, black or white

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II, IEC62471-1, EN60950-1, IEC60950-1, EN55022, EN55024

ENCLOSED ITEMS

USB cable, Neck strap

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