OPI-3301i

2D CMOS Imager Barcode Scanner

Highlights

- Wireless 2D CMOS imager scanner that rapidly scans and decodes 1D and 2D barcodes at 60 Frames Per Second (FPS)

- Supports Apple MFi, SPP and HID Bluetooth profiles for added flexibility

- Memory: 1MB SDRAM, 1MB Flash ROM

- Small form factor: 2.20" x 5.32" x 4.45" (WxHxD) and 4.5 ounces including battery

- Extremely durable: IP42 rating against dust and moisture and survives 5 ft drop to concrete

- Sold separately: CHG-3201 charging cradle, CRD-3301B charging/communication cradle and OPA-3201 Bluetooth dongle

- Backed by a two year warranty

Made for
iPod iPhone iPad

☰ OPTICON

OPI-3301i

Product Specifications

MEMORY

SDRAM: 1MB
FLASH ROM: 1MB

OPERATING INDICATORS

VISUAL: 1 large LED (red/green/blue)
AUDIBLE: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

BLUETOOTH: Version 2.1, SPP/HID, output power class 2, range up to 10 m, 1 tot 1 connection, master/slave mode, authentication and encryption

POWER

CURRENT CONSUMPTION: 15mA (stand by), max 330mA
BATTERY: Lithiumion 3.7V 1100mAh
OPERATING TIME STAND BY: Approximately 72 hours (with wireless connection)
READING: Approximately 24 hours (1 scan / 5 sec)
CHARGING METHOD: Separate cradle CHG-3201
BATTERY CHARGING TIME: Ca. 3 hours (when charged with power supply)

2D IMAGER OPTICS

LIGHT SOURCE: Aiming laser diode, illumination LEDs
SCAN METHOD: CMOS area sensor, 752 x 480 pixels, gray scale
SCAN RATE: Up to 60 fps (excl. focusing)
IMAGE FORMAT: Bitmap, JPEG
READING PITCH ANGLE: -50 to 0Ö, 0 to +50Ö
READING SKEW ANGLE: -50 to 0Ö, 0 to +50Ö
READING TILT ANGLE: 180Ö
MINIMUM RESOLUTION AT PCS 0.9: 3.94 mil (0.1 mm)
MINIMUM PCS VALUE: 0.20
FIELD OF VIEW: Horizontal 40Ö, Vertical 26Ö
DEPTH OF FIELD AT CODE 39:
5 mil (0.127 mm) 2.36 - 3.74 in (60 - 95 mm)
10 mil (0.254 mm) 1.77 - 7.28 in (45 - 185 mm)
208 mil (0.5 mm) 1.97 - 9.84 in (50 - 250 mm)
DEPTH OF FIELD AT QR CODE:
6.65 mil (0.169 mm) 2.76 - 3.74 in (70 - 95 mm)
10 mil (0.254 mm) 1.38 - 6.10 in (35 - 155 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-ISSN -ISMN, Matrix 2of5, MSI/ Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey

BARCODE (2D): Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Composite codes, Data Matrix (ECC200/EC0-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

BARCODE (POSTAL CODES): Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET

DURABILITY

TEMPERATURE:
Operation: 32 to 122 ÖF (-0 to 50 ÖC)
Storage: -14 to 140 ÖF (-20 to 60 ÖC)
HUMIDITY:
Operation: 20 - 85% (non-condensing)
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: 5 ft (1.5 m) drop onto concrete surface
VIBRATION TEST: 10 - 100 Hz with 2G for 1 hour
PROTECTION RATE: IP 42

PHYSICAL

DIMENSIONS (WXHXD): 2.20 x 5.32 x 4.45 in 56 x 135 x 113 mm) Ca. 4.5 oz (132 g) (incl. battery) Cas e: ABS, Black or White

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, MFi, RoHS, IEC 62471, IEC 60950-1

ENCLOSED ITEMS

Wrist strap

SOLD SEPARATELY

CHG-3201 CRADLE: charging
CRD-3301B: charging/communication cradle
OPA-3201: Bluetooth dongle