OPTICON

Wireless Scanners

OPI3301

2D CMOS imager with auto-focus

Bluetooth™

Serial Cradle

+ Related products

OPI3201
- Cabled device
- 2D CMOS imager with auto-focus
- RS232, Keyboard Wedge, USB

OPI2201
- Cabled device
- 2D CMOS imager with auto-focus
- RS232, Keyboard Wedge, USB

OPR3301
- Wireless device
- Barcode laser scanner
- Bluetooth

+ Basic Product Specifications

Operating indicators
- Visual: 1 large LED (red/green/blue)
- Non-visual: Buzzer

Operating keys
- Entry options:
  1 scan key

Communication
- Bluetooth: Ver. 2.0, SPP, output power class 2, range up to 10 m, 1 to 1 connection, master/slave mode, authentication and encryption

Power
- Current consumption: 150mA (stand by), max. 300mA
- Rechargeable battery: Lithium-Ion 3.7V 1100mAh
- Operating time: Ca. 10 hours (1 scan / 5 sec)
- Charging method: Separate cradle CRD3301
- Battery charging time: Ca. 3 hours (when charged with power supply), ca. 6 hours (when charged with USB)

2D Imager Optics
- Light source: Aiming laser diode, illumination LEDs
- Scan method: CMOS area sensor, 900 x 512 pixels, gray scale
- Scan rate: Up to 80 fps(excl. focusing)
- Image format: Bitmap, JPEG
- Reading pitch angle: -50 to 0°, 0 to +50°
- Reading skew angle: -50 to 0°, 0 to +50°
- Reading tilt angle: 360°
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Field of view: Horizontal 40º, Vertical 23º
- Depth of field: at Code 39
  15 - 55 mm / 0.59 - 2.17 in (0.127 mm / 5 mil),
  15 - 200 mm / 0.59 - 7.87 in (0.254 mm / 10 mil),
  90 - 870 mm / 3.54 - 34.25 in (1.0 mm / 39 mil)
- Depth of field: at QR Code
  15 - 170 mm / 0.59 - 6.69 in (0.339 mm / 13 mil)

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
- Postal code: Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET
- 2D code: Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Composite codes, Data Matrix (ECC200/ECC0-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

Durability
- Temperature in operation: -20 to 50 °C / -4 to 122°F
- Temperature in storage: -25 to 60 °C / -13 to 140 °F
- Humidity in operation: 5 - 85% (non-condensing)
- Humidity in storage: 5 - 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
- Vibration test: 10 - 100 Hz with 2G for 1 hour
- Protection rate: IP 42

Physical
- Dimensions (w x h x d):
  56 x 137 x 113 mm / 2.20 x 5.39 x 4.45 in
- Weight body: Ca. 110 g / 3.9 oz (incl. battery)
- Case: ABS, black or white

Regulatory & Safety
- Product compliance: CE, FCC, VCCI, RoHS, IEC 60825-1 Class 2, IEC 62471, IEC 60825-1 Class 1, IEC 60950-1

Enclosed items
- Hand strap

Sold separately
- CRD3301 Cradle: Bluetooth communication, charging

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- **The Netherlands:** Hoofddorp
- **France:** Issy Les Moulineaux
- **Germany:** Dietzenbach
- **Italy:** Villanova di Castenaso (BO)
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