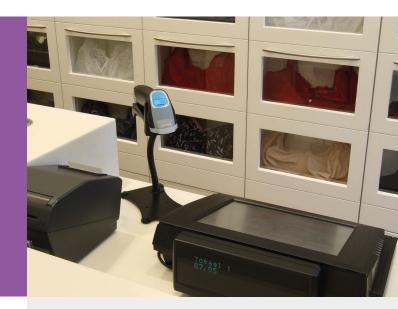
# **E OPTICON**

## **Cabled Scanners**

# OPI-3601

2D CMOS Imager

The OPI-3601 features bright LED tagreting guides, multiple trigger modes and a rapid decode speed. A simple ergonomic design ensures a comfortable grip while the engine captures even difficult to read barcodes with a snap of the trigger.









## Highlights

- Full spectrum illuminated 2D CMOS imager
- Rapidly scans and decodes a wide variety of 1D or 2D barcodes
- 2.5 times faster than previous models
- Custom configuration capabilities including multi-read
- Enhanced motion tolerance
- Improved scanning of curved, wide and poorly printed barcodes
- Green bar LED aim function providing laser-free aiming with no laser class warning
- Durable survives 1.5 meter drop to concrete
- IP42 rating against dust and moisture
- Trigger modes: manual, auto-trigger and stand detection
- Communication interface: RS232 or USB
- Stand included with most configurations
- Backed by a two year warranty

## OPI-3601 Product Specifications

#### **Operating indicators**

Visual: 1 large LED (red/green/blue) Non-visual: buzzer

#### **Operating keys**

Entry options: 1 scan key

#### Communication

RS232: DB9 connector with external power supply USB: Ver 2.0, HID/VCP, USB-A connector

#### Power

Voltage requirement: 5V ±10% (USB), 6V ±10% (RS232) Current consumption: Max. 300 mA ( Max typical use, 75 mA (standby)

#### **2D Imager Optics**

Light source: Green aiming LED, red illumination LEDs Scan method: CMOS area sensor, 752 x 480 pixels, gray scale Scan rate: up to 60 fps Focal distance: 104 mm Trigger mode: Manual, multiple read, auto-trigger, stand detection Image format: Windows Bitmap, JPEG, TIFF Gradulation: 1024, 256, 16, 2 Image output mode: 4 resolutions (full, 1/2, 1/3, 1/4), 2 ranges (horizontal, vertical) Reading pitch angle: ± 65° Reading skew angle: ± 65° Reading tilt angle: 360° Curvature: R≥16 mm (10-digit 0.15mm Codabar), R≥20 mm (13-digit UPC) Field of view: Horizontal 40.6°, Vertical 26.4° Min. resolution at PCS 0.9: 0.1 mm / 3.94 mil Min. pcs value: 0.2 Depth of field at code 39: 65 - 105 mm (0.127 mm) / 2.56 - 4.13 in (5 mil) 45 - 185 mm (0.254 mm) / 1.77 - 7.28 in (10 mil) 50 - 250 mm (0.508 mm) / 1.97 - 9.84 in (20 mil) Depth of field at QR Code: 70 - 95 mm (0.211 mm) / 2.76 - 3.74 in (8.4 mil)

35 - 165 mm (0.381 mm) / 1.38 - 6.50 in (15 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-ISMN-ISSN, Matrix 2of5, MSI/ Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic 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), Maxi Code (mode 2-5), MicroPDF417, Micro QR Code, Passport MRZ (OCR-B), PDF417, QR Code

#### 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: 5% to 90% (non-condensing) Humidity in storage: 5% to 90% (non-condensing) Ambient light immunity: Fluorescent 10,000 lx max, direct sun 100,000 lx max, incendescent 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: IP42

#### Physical

Dimensions (W x H x D): 56 x 148.6 x 108.1 mm / 2.20 x 5.85 x 4.26 in Weight body: Ca. 85 g / 3 oz (excl. cable) Dimensions Stand (W x H x D): 106 x 296 x 146 mm / 4.17 x 11.65 x 5.75 in (excl. scanner) Weight stand: Ca. 323 g / 12 oz Case: ABS, Black

#### **Regulatory & safety**

Product compliance: CE, FCC, VCCI, RoHS, IEC62471-1, EN55022, EN55024

#### Items

Sold separately: Power supply 90-265V/0.5A, 6V/2A (for RS232)



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