

OPI3601

2D CMOS imager

RS232

Keyboard Wedge

 USB



+ Related products

OPI2201

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



OPI3301

- Wireless device
- 2D CMOS imager with auto-focus
- Bluetooth



OPR3201

- Cabled device
- Barcode laser scanner
- RS232, Keyboard Wedge, USB
- With stand



Operating indicators

- Visual: 1 LED / large 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: MiniDIN6 F/M connector
- USB: Ver. 1.1, HID/VCP, USB-A connector

Power

- Voltage requirement: 6V \pm 5% (Keyboard Wedge), 6V (min. 4.5, max. 6.5V) (RS232)
- Current consumption: Max. 350 mA (max typical use), 20mA (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: 60 fps
- Focal distance: 130 mm
- Trigger mode: Manual, multiple read, auto-trigger, stand detection
- 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°
- Min. resolution Code39 at PCS 0.9: 0.127 mm / 5 mil, min. resolution QR Code and Data Matrix at PCS 0.9: 0.169 mm / 7 mil
- Min. PCS value: 0.3
- Field of view: Horizontal 40°, Vertical 23°
- Depth of field: at Code 39
 - 90 - 125 mm / 3.54 - 4.92 in (0.127 mm / 5 mil),
 - 55 - 200 mm / 2.16 - 7.87 in (0.254 mm / 10 mil),
 - n/a - 300 mm / n/a - 11.81 in (0.508 mm / 20 mil)
- Depth of field: at QR Code
 - 55 - 190 mm / 0.59 - 6.69 in (0.381 mm / 15 mil)

Supported Symbolologies

- 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/ECO-140), Maxi Code (mode 2-5), MicroPDF417, Micro QR Code, PDF417, QR code

Durability

- Temperature in operation: -5 to 50°C / 23 to 122°F
- Temperature in storage: -20 to 60°C / -4 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 112 mm / 2.20 x 5.39 x 4.41 in
- Weight body: Ca. 80 g / 2.8 oz (excl. cable)
- Case: ABS, black or white

Regulatory & Safety

- Product compliance: CE, FCC, VCCI, RoHS, IEC 62471-1, IEC 60825-1 Class 1, IEC 60950-1

Enclosed items

- Power supply 90-265V/0.5A, 6V/2A (for RS232 and Keyboard Wedge)
- Stand

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- **The Netherlands:** Hoofddorp
- **France:** Issy Les Moulineaux
- **Germany:** Dietzenbach
- **Italy:** Villanova di Castenaso (BO)
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Renton, WA
- **Brazil:** São Paulo

- **Japan:** Warabi City
- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** West Ryde

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