OPTICON

Cabled scanners

OPI2201

2D CMOS imager with auto-focus

RS232

Keyboard Wedge

USB



+ Related products



OPI2002
- Cabled device
- 2D CMOS imager
- RS232, Keyboard Wedge, USB



OPI4002
- Wireless device
- 2D CMOS imager
- IEEE 802.15.4
- Equipped with powerjack



M5
- Stationary device
- 2D CMOS imager
- RS232, Keyboard Wedge, USB (HID/ VCP)
- IP 52, ABS, up to 50 fps

+ Basic Product Specifications

Operating indicators
- Visual: 1 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 with external power supply
- USB: Ver. 1.1, HID/VCP, USB-A connector

Power
- Voltage requirement: 5V ± 10% (USB), 6V ± 10% (RS232 and Keyboard Wedge)
- Current consumption: Max. 350mA (scanning), max. 75mA (standby)

2D Imager Optics
- Light source: Aiming laser diode, illumination LEDs
- Scan method: CMOS area sensor, SXGA (1.3 million pixels), gray scale
- Scan rate: Up to 30 fps, after auto-focus activation (100 ms after triggering)
- 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: -45 to 0°, 0 to +45°
- Reading skew angle: -60 to 0°, 0 to +60°
- Reading tilt angle: 360°
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil, *0.169 mm / 7 mil*, at Code39 / QR Code and *Data Matrix*
- Min. PCS value: 0.45/0.3
- Field of view: Horizontal 40º, Vertical 32º
- Depth of field: At *QR Code* and Code 39
  15 - 40 mm / 0.59 - 1.57 in (0.127 mm / 5 mil),
  15 - 280 mm / 0.59 - 11.02 in (0.339mm / 13 mil),
  15 - 100 mm / 0.59 - 3.94 in (0.1 mm / 4 mil),
  15 - 155 mm / 0.59 - 6.10 in (0.127 mm / 5 mil),
  15 - 365 mm / 0.59 - 14.37 in (0.254 mm / 10 mil),
  90 - 1450 mm / 3.54 - 57.09 in (1.0 mm / 39 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, Korean Postal Authority code
- 2D code: Aztec Code, Aztec Runes, Codablock F, Composite codes, Data Matrix (ECC200/EC0-140), 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 70°C / -13 to 158°F
- Humidity in operation: 5 - 90% (non-condensing)
- Humidity in storage: 5 - 90% (non-condensing)
- Ambient light immunity: Fluorescent 10,000 lx max, Direct sun 100,000 lx max, Incandescent 10,000 lx max
- Drop test: 1.8 m / 6 ft drop onto concrete surface
- Protection rate: IP 42

Physical
- Dimensions (w x h x d):
  72 x 175 x 95 mm / 2.83 x 6.89 x 3.74 in
- Weight body: Ca. 175 g / 6.2 oz (excl. cable)
- Case: ABS, Black or White

Regulatory & Safety
- Product compliance: CE, FCC, VCCI, RoHS

Enclosed items
- Power supply 100-240V/0.5A, 50/60 Hz, 6V/2A (for RS232 and Keyboard Wedge)

Sold separately
- Stand

Models
- Interface versions: RS232, Keyboard Wedge, USB
- Color versions: Black, White

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- **The Netherlands:** Hoofddorp
- **France:** Issy Les Moulineaux
- **Germany:** Dietzenbach
- **Italy:** Castel Maggiore (BO)
- **Spain:** Valencia
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Renton, WA
- **Japan:** Warabi City
- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** Kariong
- **Brazil:** São Paulo

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Label printers



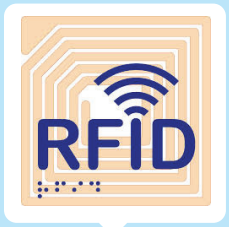
Barcode readers



Data terminals & PDA



PVC card printers



RFID



Consumables
(labels, ribbons, PVC cards)

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