OPI3601

Rapid 2D CMOS Imager

USB (HID)

USB (VCP/COM)

RS232

Keyboard Wedge

+ Features & Benefits

- Illuminated 2D CMOS imager
- Distinct targeting guides
- Rapidly scans/decodes a wide variety of 1D or 2D barcodes
- 2.5 times faster than former models
- Customizable trigger modes, scan how *you* want
- 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 required
- Rugged – withstands drops of 5 feet to concrete, IP 42 rating
- RS232, Keyboard Wedge or USB available
- Auto-Trigger features both stand-alone and with stand detection
- Optional hands-free stand
- Backed by a two year warranty

Operating Indicators

- Visual: 1 LED (Red/Green/Orange)
- Auditory: Multi-Tone speaker

Operating Keys

- 1 Trigger 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:
  - Keyboard Wedge: 6V ± 5%
  - RS232: 6V (min. 4.5, max. 6.5V)
- 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 40º, Vertical 23º
- Depth of field (PCS 0.9):
  - Code 39:
    - 90 - 125 mm (3.54 - 4.92 in), Res. 0.127 mm (5 mil)
    - 55 - 200 mm (2.16 - 7.87 in), Res. 0.254 mm (10 mil)
    - n/a - 300 mm (n/a - 11.81 in), Res. 0.508 mm (20 mil)
  - QR Code:
    - 55 - 190 mm (0.59 - 6.69 in), Res. 0.381 mm (15 mil)

Supported Symbologies

- 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

Supported Symbologies (continued)

- Postal Codes
  - Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET
- 2D codes
  - 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

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
  - Direct sun: ~ 100,000 lx
  - Incandescent: ~ 10,000 lx
- 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 - 265 V / 0.5 A, 6 V / 2 A (for RS232 and Keyboard Wedge)

Optional Accessories

- Hands-Free stand

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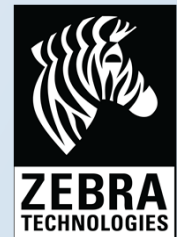# 866-271-9891

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Some brands we carry

About us
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