

OPI-3601-HD

2D CMOS Imager

HIGHLIGHTS

- High speed scanning
- Data editing program
- LED aiming
- Plug & play
- 1.5 m drop proof



OPI-3601-HD

Basic product specifications

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 +/- 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: 70 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° **CURVATURE:** R>20 mm (12-digit UPC, 0.33 mm) **MIN. RESOLUTION CODE39 AT PCS 0.9:** 0.076 mm / 3 mil, min. resolution QR Code and Data Matrix at PCS 0.9: 0.127 mm / 5 mil **MIN. PCS VALUE:** 0.3 **FIELD OF VIEW:** Horizontal 40°, Vertical 23° **DEPTH OF FIELD:** at Code 39, 65 - 70 mm / 2.56 - 2.76 in (0.076 mm / 3 mil), 60 - 90 mm / 2.36 - 3.54 in (0.127 mm / 5 mil), 55 - 120 mm / 2.17 - 4.72 in (0.254 mm / 10 mil) **DEPTH OF FIELD:** at PDF417, 60 - 85 mm / 2.36 - 3.35 in (0.127 mm / 5 mil), 60 - 120 mm / 2.36 - 4.72 in (0.254 mm / 10 mil) **DEPTH OF FIELD:** at QR Code, 65 - 85 mm / 2.56 - 3.35 in (0.169 mm / 6.7 mil), 40 - 120 mm / 1.57 - 4.72 in (0.381 mm / 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-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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