

OPI-3601

2D CMOS Imager

HIGHLIGHTS

High speed scanning

Data editing program

LED aiming

Plug & play

1.5 m drop proof



OPI-3601

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:** Mini-DIN6 F/M connector **USB:** Ver. 2.0, 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), 75mA (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: 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:** -50 to 0°, 0 to +50° **READING SKEW ANGLE:** -50 to 0°, 0 to +50° **READING TILT ANGLE:** 360° **CURVATURE:** R>16 mm (12-digit 0.15 mm Codabar), R>20 mm (13-digit UPC) **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:** 0.45 Field of view: Horizontal 40.6°, Vertical 26.4° **DEPTH OF FIELD:** at Code 39, 65 - 105 mm / 2.56 - 4.13 in (0.127 mm / 5 mil), 45 - 185 mm / 1.77 - 7.28 in (0.254 mm / 10 mil), 50 - 250 mm / 1.97 - 9.84 in (0.508 mm / 20 mil) **DEPTH OF FIELD:** at QR Code, 70 - 95 mm / 2.76 - 3.74 in (0.211 mm / 8.4 mil), 35 - 165 mm / 1.38 - 6.50 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/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:** -20 to 60°C / -4 to 140°F **HUMIDITY IN OPERATION:** 5 - 90% (noncondensing) **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:** 1.5 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 148.6 x 108.1 mm / 2.20 x 5.85 x 4.26 in
WEIGHT BODY: Ca. 85 g / 3 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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