

# 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

