

OPI-1101 2D Imager



> **HIGHLIGHTS**

2D CMOS imager

Data editing program

IEEE.802.15.4, 2,4 Ghz

LED aiming

Plug & play

1.5 m drop proof



OPI-1101

> BASIC PRODUCT SPECIFICATIONS

OPERATING INDICATORS

VISUAL: 1 LED / large LED (red/green/orange) **NON-VISUAL:** Buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

IEEE.802.15.4 2.4 Ghz (100 m) **USB:** ComPort emulation / HID USB

POWER

RECHARGEABLE BATTERY: Polymer 3.7V 1200mAh **CHARGING METHOD:** by USB power retrieving cable **CHARGING TIME:** Ca. 4 hours

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 (ID): 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: 0 to 40°C / 32 to 104°F **TEMPERATURE IN STORAGE:** -20 to 60°C / -4 to 140°F **RELATIVE HUMIDITY:** 10 - 90% **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

PHYSICAL

DIMENSIONS (W X H X D): 67 x 186 x 91 mm / 2.64 x 7.32 x 3.58 in **WEIGHT BODY:** Ca. 140 g / 4.94 oz **CASE:** ABS, black

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, RoHS

SOLD SEPARATELY

Stand

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