OPI3601 2D CMOS imager

HIGHLIGHTS

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

OPTICON

OPI3601

> 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: 0.3 FIELD OF VIEW: Horizontal 40.6º, Vertical 26.4º 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/ECC-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% (non-condensing) 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