

CABLED SCANNERS

OPI-2201

2D CMOS Imager

HIGHLIGHTS

30 frames per second

1.8 m drop proof

Auto-focus



≡ OPTICON

OPI-2201

Basic product specifications

OPERATING INDICATORS

VISUAL: 1 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 with external power supply **USB:** Ver. 1.1, HID/VCP, USB-A connector

POWER

VOLTAGE REQUIREMENT: 5V ± 10% (USB), 6V ± 10% (RS232 and Keyboard Wedge) **CURRENT CONSUMPTION:** Max. 350mA (scanning), max. 75mA (standby)

2D IMAGER OPTICS

LIGHT SOURCE: Aiming laser diode, illumination LEDs **SCAN METHOD:** CMOS area sensor, SXGA (1.3 million pixels), gray scale **SCAN RATE:** Up to 30 fps, after auto-focus activation (100 ms after triggering) **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:** -45 to 0°, 0 to +45° **READING SKEW ANGLE:** -60 to 0°, 0 to +60° **READING TILT ANGLE:** 360° **MIN. RESOLUTION AT PCS 0.9:** 0.127 mm / 5 mil, *0.169 mm / 7 mil*, at Code39 / QR Code and *Data Matrix* **MIN. PCS VALUE:** 0.45/0.3 **FIELD OF VIEW:** Horizontal 40°, Vertical 32° **DEPTH OF FIELD:** At *QR Code* and Code 39, *15 - 40 mm / 0.59 - 1.57 in (0.127 mm / 5 mil)*, *15 - 280 mm / 0.59 - 11.02 in (0.339mm / 13 mil)*, 15 - 100 mm / 0.59 - 3.94 in (0.1 mm / 4 mil), 15 - 155 mm / 0.59 - 6.10 in (0.127 mm / 5 mil), 15 - 365 mm / 0.59 - 14.37 in (0.254 mm / 10 mil), 90 - 1450 mm / 3.54 - 57.09 in (1.0 mm / 39 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, Korean Postal Authority code **2D CODE:** Aztec Code, Aztec Runes, 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:** -25 to 70°C / -13 to 158°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:** 1.8 m / 6 ft drop onto concrete surface **VIBRATION TEST:** 12 - 100 Hz with 2G for 1 hour **PROTECTION RATE:** IP 42

PHYSICAL

DIMENSIONS (W X H X D): 72 x 175 x 95 mm / 2.83 x 6.89 x 3.74 in **WEIGHT BODY:** Ca. 175 g / 6.2 oz (excl. cable) **CASE:** ABS, Black or White

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, RoHS, IEC 60825-1 Class 2, IEC 60825-1 Class 1

ENCLOSED ITEMS

POWER SUPPLY: 100-240V/0.5A, 50/60 Hz, 6V/2A (for RS232 and Keyboard Wedge)

SOLD SEPARATELY

STAND

