

# OPI-3301i

2D CMOS Imager

## HIGHLIGHTS

Scan rate up to 60 frames per second

Bluetooth Ver 2.1

Lightweight

Low power consumption

Charging cradle available

MFi certified



# OPI-3301i

## Basic product specifications

### MEMORY

**SDRAM:** 1MB **FLASH ROM:** 1MB

### OPERATING INDICATORS

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

### OPERATING KEYS

**ENTRY OPTIONS:** 1 scan key

### COMMUNICATION

**BLUETOOTH:** Ver. 2.1, SPP/HID, output power class 2, range up to 10 m, 1 to 1 connection, master/slave mode, authentication and encryption

### POWER

**CURRENT CONSUMPTION:** 15mA (stand by), max 330mA **BATTERY:** Lithium-ion 3.7V 1100mAh **OPERATING TIME STAND BY:** Approx 72 hours (with wireless connection) **READING:** Approx. 24 hours (1 scan / 5 sec) **CHARGING METHOD:** Separate cradle CHG-3201 **BATTERY CHARGING TIME:** Ca. 3 hours (when charged with power supply)

### 2D IMAGER OPTICS

**LIGHT SOURCE:** Aiming laser diode, illumination LEDs **SCAN METHOD:** CMOS area sensor, 752 x 480 pixels, gray scale **SCAN RATE:** Up to 60 fps (excl. focusing) **IMAGE FORMAT:** Bitmap, JPEG **READING PITCH ANGLE:** -50 to 0°, 0 to +50° **READING SKEW ANGLE:** -50 to 0°, 0 to +50° **READING TILT ANGLE:** 180° **MIN. RESOLUTION AT PCS 0.9:** 0.1 mm / 3.94 mil **MIN. PCS VALUE:** 0.20 **FIELD OF VIEW:** Horizontal 40°, Vertical 26° **DEPTH OF FIELD AT CODE 39:** 60 - 95 mm / 2.36 - 3.74 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 (0.5 mm / 208 mil) **DEPTH OF FIELD AT QR CODE:** 70 - 95 mm / 2.76 - 3.74 in (0.169 mm / 6.65 mil) 35 - 155 mm / 1.38 - 6.10 in (0.254 mm / 10 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:** -0 to 50 °C / 32 to 122 °F **TEMPERATURE IN STORAGE:** -20 to 60 °C / -14 to 140 °F **HUMIDITY IN OPERATION:** 20 - 85% (non-condensing) **HUMIDITY IN STORAGE:** 20 - 85% (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 135 x 113 mm / 2.20 x 5.32 x 4.45 in Ca. 132 g / 4.5 oz (incl. battery) **CASE:** ABS, Black or White

### REGULATORY & SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, VCCI, MFi, RoHS, IEC 62471, IEC 60950-1

### ENCLOSED ITEMS

Wrist strap

### SOLD SEPARATELY

**CHG-3201 CRADLE:** charging **OPA-3201:** Bluetooth dongle

