



IrDA

Serial cradle

PX35

2D CMOS imager with auto-focus



+ Related products

OPL9712

- Data Collector
- Barcode laser scanner
- IrDA, Bluetooth



H21

- Windows Mobile
- 2D CMOS imager & Color camera
- Bluetooth, W-LAN (WiFi), GPRS/EDGE/3G/3.5G, microSD I/O
- AGPS, IP 64



OPI2201

- Cabled device
- 2D CMOS imager with auto-focus
- RS232, Keyboard Wedge, USB



Operation

- CPU: 32-bit
- O/S: Proprietary
- Software: Programmable in C-language. Software development kit with WinARM compiler free downloadable
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory

- FlashROM: 4MB
- RAM: 2 MB SRAM

Display

- Type: Graphic LCD with backlight
- Size: 112 x 64 pixels
- Mode: Landscape / 180° rotation
- Font size: 6x6 / 6x12 / 8x8 / 8x16 dots

Operating indicators

- Visual: 1 LED (red/green/orange/blue)
- Non-visual: Buzzer

Operating keys

- Entry options: 18 keys total, 12 key (alpha)numeric keypad, 2 function keys, 3 control keys, 1 scan key

Communication

- IrDA: baudrate 9600 bps - 115.2 kbps (SIR)
- Bluetooth: HID, SPP, range up to 10 m, 1 to 1 connection, master/slave mode, authentication and encryption

Power

- Rechargeable battery: Lithium-Ion 3.7V 1880mAh
- Backup battery: Rechargeable manganese silicon lithium battery 3.4mAh
- Charging method: Separate cradle CRD9722 / CRD9723RU, separate power supply

2D Imager Optics

- Light source: Aiming laser diode, illumination LEDs
- Scan method: CMOS area sensor, 900 x 512 pixels, gray scale
- Scan rate: Up to 80 fps, after auto-focus activation (100 ms after triggering)
- Trigger mode: Manual, multiple read
- 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: 360°
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Field of view: Horizontal 40°, Vertical 23°
- Depth of field: At *QR Code* and Code 39
45 - 1000 mm / 1.77 - 39.37 in (0.127 mm / 5 mil)
45 - 65 mm / 1.77 - 2.56 in (0.127 mm / 5 mil),
45 - 250 mm / 1.77 - 9.84 in (0.381mm / 15 mil),
45 - 110 mm / 1.77 - 4.33 in (0.127 mm / 5 mil),
50 - 260 mm / 1.97 - 10.24 in (0.254 mm / 10 mil),
120 - 1000 mm / 4.72 - 39.37 in (1.0 mm / 39 mil)

Supported Symbologies

- Barcode (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 39, Code 93, GSI-128 (EAN-128), GSI DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, 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/ECC-140), Maxi Code (mode 2~5), Micro QR Code, MicroPDF417, PDF417, QR code

Durability

- Temperature in operation: -5 to 40 °C / 23 to 104 °F
- Temperature in storage: -20 to 60 °C / -4 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
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection rate: IP 42

Physical

- Dimensions (w x h x d):
44 x 140 x 26 mm / 1.73 x 5.51 x 1.02 in
- Weight body: Ca. 130 g / 4.6 oz (incl. battery)
- Case: ABS, Black

Regulatory & Safety

- Product compliance: CE, FCC, VCCI, EN 300-328, ETS 301-489, RoHS

Enclosed items

- Rechargeable battery
- Hand strap

Sold separately

- CRD9722 Cradle: Charging
- CRD9723RU Cradle: Serial communication, charging
- Power supply 100-240V/0.5A, 50/60 Hz, 6V/2A (for battery charging)