

L-22X

2D CMOS Imager

HIGHLIGHTS

- 360° high speed reading
- Auto-trigger
- Reads from LCD screens
- Various interfaces
- LED aiming



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Basic product specifications

OPERATING INDICATORS

CPU: ARM Coretex-A7, 800MHz, 1Gbit Flash Memory **VISUAL:** 3 color LED

NON-VISUAL: Buzzer, vibrator

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

RS-232C, USBCOM **USB:** Ver. 2.0, HID/COM, 12Mbps full speed

POWER

VOLTAGE REQUIREMENT: 5V $\pm$ 10% (RS-232C and USBCOM) **CURRENT**

CONSUMPTION: Max. 340mAh

BARCODE SCANNER OPTICS

LIGHT SOURCE: warm white LED **SCAN METHOD:** Monochrome CMOS area

sensor **SCAN RATE:** 100fps **TRIGGER MODE:** Manual, auto-trigger, stand

detection **READING PITCH ANGLE:** $\pm 65^\circ$ **READING SKEW ANGLE:** $\pm 65^\circ$

READING TILT ANGLE: 360° **CURVATURE:** Radius > 20 mm (12-digit UPC)

MIN. RESOLUTION AT CODE 39: 0.1 mm **MOTION TOLERANCE:** UPC 100% at 2.54m/s **MIN. PCS VALUE:** 0.3 **DEPTH OF FIELD AT CODE 39:** 11 - 57mm / 0.233 - 2.244 in (0.127mm / 5 mil), 9 - 156mm / 0.354 - 6.141 in (0.254mm / 10 mil), 31 - 318mm / 1.221 - 12.519 in (0.508mm / 20 mil) **DEPTH OF**

FIELD AT CODE 128: 24 - 112mm / 0.944 - 4.409 in (0.2mm / 7.9mil) **DEPTH OF FIELD AT UPC:** 9 - 195mm / 0.354 - 7.667 in (0.33mm / 13 mil) **DEPTH**

OF FIELD AT PDF417: 4 - 76mm / 0.157 - 2.992 in (0.169mm / 6.7 mil), 0 - 130mm / 0 - 5.118 in (0.254mm / 10 mil) **DEPTH OF FIELD AT QR CODE:**

22 - 44mm / 0.866 - 1.7323 in (0.212mm / 8.3 mil), 0 - 161mm / 0 - 6.339 in (0.381mm / 15 mil) **DEPTH OF FIELD AT DATA MATRIX:** 22 - 48mm / 0.866 - 1.89 in (0.169mm / 6.7 mil), 2 - 96mm / 0.079 - 3.779 in (0.254mm / 10 mil)

SUPPORTED SYMBOLOGIES

BARCODE (1D): UPC-A, UPC-E, UPC-E1, UPC-A Add-on, UPC-E Add-on, EAN-13, EAN-8, EAN-13 Add-on/EAN-8 Add-on, JAN-8, JAN-13, Code 39, Tri-Optic, Codabar, Industrial 2 of 5, Interleaved 2 of 5, S-code, Code 93, Code 128, GS1-128, IATA, MSI/Plessey, UK/Plessey, Telepen, Code 11, Matrix 2 of 5

BARCODE (2D): PDF417, MicroPDF417, Codablock F, QR Code, Micro QR Code, Data Matrix (ECC 200), Maxi Code (Modes 2 to 5), Aztec Code, Chinese

Sensible Code, OCR-B **POSTAL CODE:** Chinese Post Matrix 2of5, Korean Postal Authority code, Japanese Postal, Intelligent Mail Barcode, POSTNET, PLANET, Netherlands KIX Code, Australian Postal, UK Postal, 4-State Mailmark Barcode

DURABILITY

TEMPERATURE IN OPERATION: -5 to 50 °C / 23 to 122 °F **TEMPERATURE**

IN STORAGE: -30 to 60 °C / -22 to 140 °F **HUMIDITY IN OPERATION:** 0

- 90% (non-condensing, no frost) **HUMIDITY IN STORAGE:** 0 - 90% (non-condensing, no frost) **AMBIENT LIGHT IMMUNITY:** Fluorescent 10,000 lx,

Direct sun 100,000 lx **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): 165.3 x 62.2 x 31.4 mm / 6.51 x 2.45 x 1.24 in

WEIGHT BODY: Ca. 150 g / 5.4 oz (excl. cable) **CASE:** ABS/PC, Black or White

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI Class B, RoHS, IEC-61000-4-2,

EN55032, EN55024 (EN61000-6-1) Class-B

ENCLOSED ITEMS

Power supply 5V (for RS232), Stand

MODELS

INTERFACE VERSIONS: RS232, USB

