

L-22X

2D CMOS Image Scanner



Highlights

- Sophisticated ergonomic design with an excellent price-to-performance ratio
- High speed 2D CMOS imager
- Rapidly scans and decodes a wide variety of 1D or 2D barcodes
- Custom configuration capabilities including multi-read
- Enhanced motion tolerance
- Improved scanning of curved, wide and poorly printed barcodes
- Disinfectant-ready certified for healthcare environments
- Durable – survives five foot drop to concrete
- IP42 rating against dust and moisture
- Trigger modes: manual, auto-trigger and stand detection
- Communication interface: USB or RS232
- Interchangeable cables allowing switch between USB or RS232
- Available in black or white
- Stand included
- Backed by a two year warranty

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Product Specifications

OPERATING INDICATORS

CPU: ARM Cortex-A7, 800MHz, 1Gbit flash memory

VISUAL: 3 color LED

AUDIBLE: Buzzer, vibrator

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

RS232

USB: Version 2.0, HID/COM

POWER

VOLTAGE REQUIREMENT: 5V ± 10% (RS232C and USB/COM)

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: ±65°

READING SKEW ANGLE: ±65°

READING TILT ANGLE: 360°

CURVATURE: Radius > 20 mm (12-digit UPC)

MINIMUM RESOLUTION AT CODE 39: 0.1 mm

MOTION TOLERANCE: UPC 100% at 2.54m/s

MINIMUM PCS VALUE: 0.3

DEPTH OF FIELD AT:

Code 39: 5 mil (0.127 mm) 0.233 - 2.244 in (11 - 57 mm)

Code 39: 10 mil (0.254 mm) 0.354 - 6.141 in (9 - 156 mm)

Code 39: 20 mil (0.508 mm) 1.221 - 12.519 in (31 - 318 mm)

Code 128: 7.9 mil (0.2 mm) 0.944 - 4.409 in (24 - 112 mm)

UPC: 13 mil (0.33 mm) 0.354 - 7.667 in (9 - 195 mm)

PDF417: 6.7 mil (0.169 mm) 0.157 - 2.992 in (4 - 76mm)

PDF417: 10 mil (0.254 mm) 0 - 5.118 in (0 - 130 mm)

QR Code: 8.3 mil (0.212 mm) 0.866 - 1.7323 in (22 - 44 mm)

QR Code: 15 mil (0.381 mm) 0 - 6.339 in (0 - 161 mm)

Datamatrix: 6.7 mil (0.169 mm) 0.866 - 1.89 in (22 - 48mm)

Datamatrix: 10 mil (0.254 mm) 0.079 - 3.779 in (2 - 96 mm)

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), DotCode, Maxi Code (Modes 2 to 5), Aztec Code, Chinese Sensible Code, OCR-B

BARCODE (POSTAL CODES): 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:

Operation: 23 to 122 °F (-5 to 50 °C)

Storage: -22 to 140 °F (-30 to 60 °C)

HUMIDITY:

Operation: 0- 90% (non-condensing, no frost)

Storage: 0 - 90% (noncondensing, no frost)

AMBIENT LIGHT IMMUNITY:

Fluorescent: 10,000 lx

Direct sun: 100,000 lx

DROP TEST: 5 ft (1.5 m) drop onto concrete surface

VIBRATION TEST: 10 - 100 Hz with 2G for 1 hour

PROTECTION RATE: IP 42

PHYSICAL

DIMENSIONS (WXHXD): 6.51 x 2.45 x 1.24 in (165.3 × 62.2 × 31.4 mm)

WEIGHT BODY: Ca. 5.4 oz (150 g) (excl. cable)

CASE: ABS/PC, black or white

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI Class B, RoHS, IEC-61000-4-2, EN55032, EN55024 (EN61000 6-1) Class-B, disinfectant-ready certified

ENCLOSED ITEMS

POWER SUPPLY: 5V (for RS232)

STAND

MODELS

INTERFACE VERSIONS: RS232, USB



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