M-10

2D CMOS Imager

HIGHLIGHTS

Supports all common linear (1D) bar codes and 2D codes
Omni directional scanning
Imaging for mobile coupons
High-speed imaging for fast moving codes
Automatic sensing or manual trigger options available

OPTICON

M-10

Basic product specifications

VISUAL: 2 LEDs (green/blue/orange) NON-VISUAL: Buzzer

COMMUNICATION

RS232: DB9 PTF connector with external power supply, 300 bps~115200 bps USB: Full-speed 12Mbps (HID/COM) VOLTAGE REQUIREMENT: 5.7~6.3V

2D IMAGER OPTICS

LIGHT SOURCE: 2 Red LEDs Aiming and auto trigger activation light source – 1 green LED SCAN METHOD: WVGA CMOS are sensor 752x480 pixels SCAN RATE: Up to 60 fps IMAGE FORMAT: Windows Bitmap, JPEG READING PITCH ANGLE: ca 50˚READING SKEW ANGLE: ca 50˚ READING TILT ANGLE: ca 180˚ MIN RESOLUTION –PDF: 0.169 mm QR CODE: 0.212 mm DATAMATRIX: 0.212 mm FIELD OF VIEW: Horizontal 40.6˚, vertical 26.4˚ DEPTH OF FIELD AT CODE 39: 35 - 60 mm / 1.38 - 2.36 in (0.127 / 5 mil), 0 - 140 mm / 0 - 5.51 in (0.254 / 10 mil), AT QR CODE: 35 - 55 mm / 1.38 - 2.17 in (0.212 / 8.4 mil), 0 - 120 mm / 0 - 0.472 in (0.381 / 15 mil), AT PDF417: 25 - 70 mm / 0.98 - 2.76 in (0.169 / 6.7 mil), 0 - 120 mm / 0 - 4.72 in (0.254 / 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, USPS POSTAL CODE: Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, Postal JPN, POSTNET 2D CODE: Aztec Code, Aztec Runes, Composite codes, Codablock F, Data Matrix, (ECC200), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, Passport MRZ (OCR-B), PDF417, QR code

DURABILITY

TEMPERATURE IN OPERATION: -5 to 45 ˚C TEMPERATURE IN STORAGE: -20 to 60 ˚C HUMIDITY IN OPERATION: 20 - 85% HUMIDITY IN STORAGE: 20 - 90% AMBIENT LIGHT IMMUNITY: Fluorescent 10,000 lx or less, sunlight 100.000 lx or less ANTISTATIC ELECTRICITY: 15kV (non-destructive) DROP TEST: 1.5 m / 5 ft drop onto concrete surface VIBRATION TEST: 10 - 100 Hz with 2G for 3 hours PROTECTION RATE: IP 52

PHYSICAL

DIMENSIONS (W x H x D): 72 x 70 x 139 mm WEIGHT BODY: Ca. 250 g

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, IEC62471-1, VCCI, EN55022, FCC Class-B

MODELS

INTERFACE VERSIONS: USB COLOR VERSIONS: Black

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