

# 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



# 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 - 4.72 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/ECO-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, 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

