# IDE302

## OCR-B/ MRZ & PDF417 READER



The IDE302 is a hand-held passport and ID cards MRZ reader and bar code reader, it can read OCR-B MRZ ( Machine Readable Zone) from ID card, driver's license, passport; or read 1d and 2d big size PDF417 and QR codes from ID card or driver's license.

| | | | |
|---|---|---|---|
| 1D | 2D | POSTAL | CMOS |
| OCR | RS-232 | USB | Laser Aimer |



### ❖ Read OCR-B/ MRZ From Passport, ID Card

Equipped with Megapixel 1280*800 high-resolution CMOS image sensor, this enables the IDE302 with great performance (quick and accurate) to read the long MRZ ( machine readable zone) in passport and 3 lines MRZ in ID card, driver's license.

### ❖ Read Big Size PDF417 From ID Card

Thanks to its 1280*800 high resolution sensor, the IDE302 is readable those big size and high-density PDF417 code from ID card / driver' license, e.g: IDs of El Salvador, Costa Rica, Colombia, Paraguay, Vietnam, Nicaragua, Panamá, Egypt, South Africa...

| Performance | Image Sensor | 1280 * 800 CMOS | |
|---|---|---|---|
| | Illumination<br>Aiming | White LED<br>650nm Laser diode | |
| | Symbologies | OCR-B/<br>MRZ | Machine readable passports (MRP) : 2 lines of 44 characters<br>(Readable distance: 15cm-30cm)<br>Travel documents: 3 lines of 30 characters<br>(Readable distance: 14cm-30cm)<br><br>**The best read distance is around 20cm.** |
| | | 2D QR<br>PDF417 | PDF417in ID documents (Readable distance: 10cm-20cm), QR Code,<br>Data Matrix, CSC, Maxicode, Micro QR, Micro PDF417,<br>GM ,Code One, etc. |
| | | 1D | EAN-13, EAN-8, UPC-A, UPC-E, Code128, Code 39, Codabar, UCC/EAN 128, RSS, ITF, ITF-14, ITF6, Standard25, Matrix 25, COOP 25, Industrial 25, Plessey, MSI Plessey, Code 11,Code 93, Code 49, Code 16K, etc. |
| | Resolution | ≥3mil  (differ from different type bar codes) | |
| | Typical Depth of Field | EAN-13 | 70-499mm (13mil) |
| | | Code 39 | 90-264mm (5mil) |
| | | PDF417 | 70-225mm (6.7mil) |
| | | Data Matrix | 65-214mm (10mil) |
| | | QR Code | 40-294mm (15mil) |
| | Scan Mode | Sense mode, Trigger mode | |
| | Scan Angle | Roll: 360°,  Pitch: ±61°,  Skew:±61° | |
| | Field of View | Horizontal 43°,  Vertical 29° | |
| | Min. Symbol Contrast | 25% | |
| **Mechanical/ Electric** | Interface | RS-232, USB | |
| | Dimensions | 180mm×80mm×90mm | |
| | Weight | 194g | |
| | Notification | Beep, LED indicator | |
| | Operating Power | 5VDC±5%, 280mA | |
| **Environmental** | Operating Temperature | -20℃ to 60℃ (-4°F to 140°F) | |
| | Storage Temperature | -40℃ to 70℃ (-40°F to 158°F) | |
| | Humidity | 5% to 95% (non-condensing) | |
| **Accessories** | Cable | USB | USB virtual Com, not support USB-HID |
| | | RS-232 | Standard DB9 RS232 interface |
| | Power Adapter | DC5V adapter to power the IDE302 for RS-232 interface. | |

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