



# RT237

## OCR-B/ MRZ & Barcode Scanner



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

Equipped with Megapixel 1280\*800 high-resolution CMOS image sensor, this enables the RT237 with great performance (quick and accurate) to read the long MRZ ( machine readable zone) in passport/visa, and 3 lines MRZ in ID card, driver's license.

### | Automatic Reading

The sensor in the RT237 automatically detects and reads the bar code when we present the ID documents or paper in front of it.

### | Read Two Bar Codes By One Scan

Readable double bar codes one time, for example: read the two big and high density QR code in Mexico's new ID document.

### | Read From Paper And Phone Screen

The RT237 reads well MRZ or barcode from both paper and cell phone screens.

### | Read Big Size PDF417 From ID Card

Thanks to its 1280\*800 high resolution sensor, the RT237 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...

### | Excellent Bar Code Reading Performance

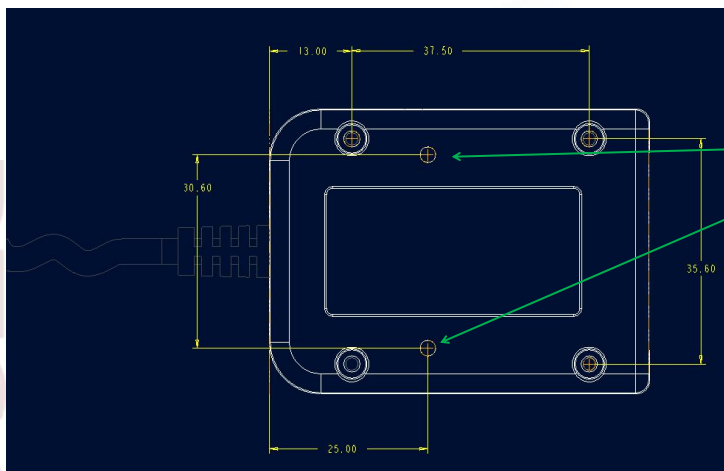
Great performance to read all types of common 1d /2d bar code, whatever read from paper or from phone screen.

### | User-friendly Illumination And Aiming

The RT237 provides a laser-generated crosshair aiming pattern that is clear and bright even in bright sunlight, ensuring accurate aim; Use flicker-free white soft illumination to reduce eye strain and fatigue from long-time operation.

**Specification:**

<b>Performance</b>	Image Sensor	1280 * 800 CMOS		
	Illumination	White LED		
	Aiming	650nm Laser diode		
	Symbolologies	2D	PDF417in ID documents (Readable distance: 10cm-20cm), QR Code, Data Matrix, AZTEC, CSC, Maxicode, Micro QR, Micro PDF417, 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.	
		OCR-B/ MRZ	Machine readable passports (MRP) : 2 lines of 44 characters (Readable distance: 15cm-30cm) Machine readable visas (MRV): 2 lines 44 characters, 2 lines 36 characters (Readable distance: 15cm-30cm) Travel documents: 3 lines of 30 characters (Readable distance: 14cm-30cm)	
	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, Continuous mode		
	Scan Angle	Roll: 360°, Pitch: ±61°, Skew:±61°		
Field of View	Horizontal 43°, Vertical 29°			
Min. Symbol Contrast	25%			
<b>Mechanical/ Electric</b>	Interface	RS-232, USB		
	Dimensions	60(W)×45(D)×22.5(H)mm		
	Weight	98g		
	Notification	Beep, LED indicator		
	Operating Power	5VDC±5%, 280mA		
<b>Environmental</b>	Operating Temperature	-20°C to 60°C (-4°F to 140°F)		
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)		
	Humidity	5% to 95% (non-condensing)		
<b>Environmental</b>	Cable	USB	USB virtual Com, not support USB-HID	
		RS-232	Standard DB9 RS232 interface	
	Power Adapter	DC5V adapter to power the RT237 for RS-232 interface.		



**Mounting Skew Holes**

This scanner is designed for embedded use, you can fix it easily into your device with these two skew holes.

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