



## RT234-OCR

OCR-B and Barcode Scanner



### | OCR-B MRZ reading

Read OCR-B of MRZ ( machine readable zone)  
From passport , ID card, driver's license

### | IR/Light Triggers

The combination of IR sensor and light sensor exhibits an improved sensitivity in activating the scanner to scan bar codes as they are presented, to achieve higher throughput and productivity.

### | Automatic Exposure Control (AEC)

The sensor in the RT234-OCR automatically adjusts the supplementary lighting duration based on the light reflected off bar code.

### | IP54-sealed Housing

The RT234-OCR is environmentally sealed to an IP54 rating to prevent dust, moisture and other contaminant from entering it.

### | Read Double bar codes by one scan

Readable double bar codes one time.

### | Read big size PDF417 from ID Card

With 1280\*800 high resolution imager, the RT234-OCR readable those big size and high density PDF417 code from ID card / driver' license, e.g: ID of Colombia, Paraguay, Nicaragua, Panama...

### | Excellent reading performance

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

### | Highly Visible Laser Aimer

The RT234-OCR provides a laser-generated crosshair aiming pattern that is clear and bright even in bright sunlight, ensuring first time accurate aim.

### | 1.5m Drop Resistance

The scanner withstands multiple 1.5m drops to concrete (for six sides, three drops per side).

<b>Performance</b>	Image Sensor	1280 * 800 CMOS		
	Illumination	White LED		
	Aiming	Laser diode or green LED		
	Symbolologies	2D	PDF417, QR Code, Data Matrix, AZTEC, CSC, Maxicode, Micro QR, Micro PDF417, GM, Code One, etc.	
		1D	EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar, UCC/EAN 128, RSS, ITF, ITF-14, ITF6, Standard 25, Matrix 25, COOP 25, Industrial 25, Plessey, MSI Plessey, Code 11, Code 93, Code 49, Code 16K, etc.	
		OCR-B	Machine readable passports (MRP) : 2 lines of 44 characters (Read distance: 15cm-25cm) Machine readable visas (MRV): 2 lines 44 characters, 2 lines 36 characters (Read distance: 15cm-25cm) Travel documents: 3 lines of 30 characters (Read distance: 10cm-20cm)	
	Resolution	≥3mil (differ from different type bar codes)		
	Typical Depth of Field	EAN-13	55-360mm (13mil)	
		Code 39	70-180mm (5mil)	
		PDF417	55-160mm (6.7mil)	
		Data Matrix	50-170mm (10mil)	
		QR Code	40-210mm (15mil)	
	Scan Mode	Sense mode, Continuous mode, Level mode, Pulse mode		
	Scan Angle	Roll: 360°, Pitch: ±55°, Skew:±55°		
Field of View	Horizontal 51°, Vertical 32°			
Min. Symbol Contrast	25%			
<b>Mechanical/ Electric</b>	Interface	RS-232, USB		
	Dimensions	41.5(W)×49.5(D)×24.3(H)mm		
	Weight	75g		
	Notification	Beep, LED indicator		
	Rated Power Consumption	1622 mW (typical)		
	Operating Voltage	5VDC±5%		
	Current @ 5VDC	Operating	276.8mA (typical), 322.7mA (max.)	
		Standby	83.3mA	
<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)		
	ESD	±14 kV (air discharge), ±8 kV (direct discharge)		
	Drop	1.5m		
	Sealing	IP54		
<b>Certifications</b>	FCC Part15 Class B, CE EMC Class B, RoHS, IEC60825, IEC62471, KC			
<b>Environmental</b>	Cable	USB	Used to connect the RT234-OCR to a host device.	
		RS-232	Used to connect the RT234-OCR to a host device.	
	Power Adapter	DC5V adapter to power the RT234-OCR with RS-232 cable.		



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