ADA150

Handheld Passport OCR-B/MRZ Reader

ADA SOFT
Developing Business Solutions

The ADA150 is a hand-held passport MRZ reader and 1D/2D bar code reader.

It can read OCR-B MRZ (Machine Readable Zone) from the passport and ID cards*; or read 1d and 2d big size PDF417 and QR codes from ID cards or driver's licenses.

1D **2D** **POSTAL** **OCR MRZ**

❖ Read OCR-B/ MRZ From Passport

Equipped with a Megapixel 1280*1024 high -resolution CMOS image sensor, this enables the ADA150 with great performance (quick and accurate) to read the long MRZ (machine readable zone) on the passport.

❖ Read Big Size PDF417 From ID Card

Thanks to its 1280*1024 high resolution sensor, the ADA150 is readable to those big size and high-density PDF417 code from ID card / driver's license.

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* Since we have not tested all ID cards from all over the world, so we do not guarantee it can read a specific ID card or not,   the actual performance will be subject to the actual test.

Performance	Image Sensor	1280 * 1024 CMOS	
	Light source	Illumination:White color LED Aimer: Red color LED	
	Symbology	OCR-B/ MRZ	Machine readable passports (MRP) : 2 lines of 44 characters (Readable distance: 13cm-24cm) Machine readable visas (MRV): 2 lines 44 characters, 2 lines 36 characters (Read distance: 12cm-24cm) Travel documents: 3 lines of 30 characters (Readable distance: 13cm-24cm)
		2D QR PDF417	QR Code, Data Matrix, PDF417, Micro PDF417, GS1 Composite Codes , Maxi Code, Aztec, etc.
		1D	UPCA, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, Coda bar, Code 39, Code 32, Pharmaceutical (PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Code 128, GS1-128, GS1 Data Bar Omnidirectional, GS1 Data Bar Limited, GS1 Data Bar Expanded, China Post(Hong Kong 2 of 5), Korea Post.
	Resolution	≥3mil (differ from different type bar codes)	
	Typical Depth of Field	MRZ	13cm-24cm
		Code 39	70-300mm (5mil)
		QR Code	40-310mm (15mil)
		QR Code	40-300mm (20mil)
		QR Code	45-550mm (30mil)
	Motion Tolerances	40cm/s	
	Scan Mode	Sense mode, Trigger mode,Continuous mode	
	Scan Angle	Roll: 360°, Pitch: ±65°, Skew:±65°	
	Field of View	Horizontal 44°, Vertical 34°	
	Min. Symbol Contrast	20%	
Mechanical/ Electric	Interface	USB	
	Dimensions	160mm x 70mmx 107mm	
	Weight	140g	
	Notification	Beep, LED indicator	
	Operating Power	5VDC±5%, Work Current：266mA,Starting Current：210mA,Stand-by Current：130mA	
Environmental	Operating Temperature	-20℃ to 60℃ (-28.9°F to 140°F)	
	Storage Temperature	-30℃ to 70℃ (-34°F to 158°F)	
	Humidity	5% to 95% (non-condensing)	
	Shock Specifications	Designed to withstand 1.2m(5') drops	
	Ambient Light Immunity	0-100,000 Lux.	
	ESD(Electra-Static discharge)	±8kV Indirect coupling surface, ±15kV Direct air discharge	
Accessories	Cable	USB virtual Com, USB-HID	
	Stand (optional)	Hold the scanner for automatic reading	