

RS100 OCR Reader



Airport
Border Control



Security
Access Control



Hotel
Property Management



Finance
Payment Process

Overview

RS100 is a compact, fast and multi-functional document reader based on OCR technology. It is designed for extracting data from ICAO standard travel documents. It provides ideal solutions for identifying Passports, Visa, ID cards, Driver License and other travel documents.

Features



Read ICAO compliant &
Non-ICAO documents



Obtain digital data from
contactless chips (RFID)



Capture images in white,
IR & UV Illuminations



Combine with
high accuracy OCR SDK



Applicable to
self-service kiosk



Provide customized
OCR service

Specifications

Supported Documents

Machine Readable zone	ICAO 9303 standard compliant documents☐ ID-1(Identity Card) ID-2(Passport, Visa) ID-3(Passport)
Visual Inspection Zone	Customization based on clients' requirements
RFID	Read and write contactless ICs according to ISO / IEC 14443-S(Type AB) Read smart card according to ISO/IEC 7816 Support e-passport Basic Access Control (BAC) & Extended Access Control (EAC) Support active / passive authentication
Barcode	1D: Code 128, Code 39, Interleaved 2 of 5 2D: PDF 417, QRCode, Data Matrix, Aztec Code

Imaging

Resolution	500 DPI
Illumination	Visible, IR(850nm) and UV (365nm)
Color Depth	24 bits / pixels
Sensor	CMOS, 5.0 Megapixels(2592*1944)
Image Format	JPG, BMP, PNG
Field of View	127mm * 88mm

Software

Supported Operation System	Windows 7, 8, 10, Vista, XP (32 / 64 bit WHQL certified) Windows Server 2003 & 2008 (32 / 64 bit) Linux Ubuntu, CentOS, RedHat
Development kit	Complete OCRSDK including DLLs, OCXs, WebSocket, Samples and Demo program
Programming Languages	C#, C / C++, Java, Delphi, Visual Basic 6.0, VB. NET

Hardware

Dimension (W*D*H)	175 * 199 * 140mm (width*depth*height)
Weight	1.25kg (net) 2.00kg (gross)
Interface	USB 2.0
Status LEDs	Power, Ready, Error and Warning
Buzzer	Build-in buzzer
Power	Input: AC 100~240V, 50-60Hz, 0.8A Output: DC 12V, 2A
Operating humidity	20%-95% (non-condensing)
Operating Temperature	10°C ~ 50°C
Storage Temperature	-20°C ~ 50°C
Warranty	1 year warranty, extensible

Dimensions (mm)

