



RTE8000 SSD Self Service passport scanner

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The RTE8000 SSD is a full page passport scanner designed for use in self-service kiosks and automated border control systems.

With more and more airline passengers using self-service kiosks to check-in for international flights, the need for easy-to-use but highly accurate passport scanners has never been greater. The RTE8000 SSD satisfies that need by combining tried and tested OCR read technology with a full page, lay-on scanner.

The passenger simply places their travel document on the scanner glass, holds it still for a second and then removes it when prompted by a beep or spoken instruction. The scanner reads passports, visas, national ID cards and many other travel documents. Documents may be laid on the glass in any orientation making it easy to use and gaining passenger confidence. Poorly issued visas which are skewed or stuck upside down on the passport page present no problems.

Ease of use and speed are the most important factors for the passenger but for the airline, read accuracy and data quality are just as vital. The RTE8000 SSD achieves industry leading read performance on real-life travel documents, even those that are poorly printed or have suffered from years of use.

FEATURES

- **OCR scanner for passports, visas and travel cards**
- **Designed specifically for self-service**
- **“Lay on” scanner, no flap, single handed operation**
- **Accepts documents in any orientation**
- **Simple, intuitive operation by passengers**
- **Automatic document detection**
- **Small footprint**
- **No moving parts, robust construction**
- **USB2.0 interface**
- **Supports remote monitoring**

OPTIONS

- **Contactless RF chip reader, ISO 14443 Type A and B compatible. Image, decode and chip read in a single operation.**
- **Linear and 2D barcode reading**
- **400 dpi image resolution**
- **Customer specific data formats, graphics, colour and fixing points**

TECHNICAL SPECIFICATIONS

Model Ref:
RTE8000 SSD

Acquisition & Analysis Time:
ICAO format codelines in less than 1 second.

Light Sources:
Visible, Infra-red (B900), Ultra-violet UVA.

Image resolution:
250 dpi JPEG, other formats available, 400 dpi optional.

Document Window Size:
135 x 100 mm (5.3 x 3.9 inches)

Read Capabilities – (Optical Reader):

- Machine Readable Passports (MRP), 2 lines of 44 characters to ICAO Document 9303.
- Machine Readable Visas (MRV), 2 lines of 44 (full size), 2 lines of 36 (size II) to ICAO Document 9303.
- Machine Readable Travel Cards, 2 lines of 36 (size II), 3 lines of 30 (size I) to ICAO Document 9303.
- IATA ticket (TAT and ATB) fonts 407-E, 1403M, OCRB and OCRA.
- Barcoded TAT & OPTAT documents conforming to IATA Industrial 2 of 5 barcode standard.
- Optional one dimensional barcodes including IATA Industrial 2 of 5, Code 128, Code 39.
- Optional two dimensional barcode PDF417.

Optional RF Reader (Contactless Chip):

- Fully integrated ISO 14443 Type A & B compatible RF reader for ePassports. Supports autodetection, anti-collision, high speed transmission.

Host Interface: USB2, PCI

Auxilliary Device Interface: USB2

Operator Indicators:
2 user LEDs including power / self test indication.

Power Requirements:
Universal input external power supply:
AC Input: 100 - 240 Vac, 50 - 60 Hz
DC Output: 12 Vdc, 3A max.

Dimensions:

Depth	200 mm	(7.9")
Width	191 mm	(7.5")
Height	158 mm	(6.2")
Weight	2.1 kg	(4.6 lbs)

Environmental:
Operating Temperature 5 °C - 35 °C (40 °F - 95 °F)
Operating Humidity 40% - 90% RH (non-condensing)

Host System Requirements:
Pentium P4 1.0 GHz class running Windows 2000 or XP,
256Mb RAM, 40Mb HD space.

Compliance:
FCC, CE, UL compliant, certification pending.

Supplied Host Software:
Full software suite including TCP/IP interfaces, network configuration and reader configuration utilities.

SDK:
Full SDK including dlls and demonstration programs.
Support for Visual C++, Visual Basic, Borland Builder and Delphi.

Acknowledgements: All trademarks acknowledged.

Specifications subject to change without notice. E & OE 05/05.