

3M Rochford Thompson
Advanced Solutions



RTE8000

Travel Document Scanner



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The RTE8000 is a desktop travel document scanner designed for fast and accurate capture of MRTD data and images by border control authorities and airlines.

The RTE8000 is a versatile multi-function scanner which reads passports, visas and other travel documents and captures multiple images for use in document authentication and biometric analysis. Its small footprint makes it ideal for use on airline check-in desks and immigration control booths. The scanner has no motorised moving parts ensuring maximum reliability and low maintenance.

Features

- Reads passports, visas and all other ICAO standard travel documents plus airline tickets (TAT and ATB) and national ID cards.
- Captures full colour or greyscale images of all travel documents including non-ICAO passports
- Uses multiple light sources for image capture and document authentication - Visible, infra red (IR) and ultra violet (UV)
- High speed USB2.0 interface
- Auxiliary USB2.0 interface for webcam, fingerprint scanner or other biometric device
- Flexible software interface allows host application to select which illumination sources to use, image type, image compression, photo extraction etc.
- Small footprint - measures only 7.9" x 7.5" (200mm x 191mm)
- SDK, flexible software suite, interfaces to legacy systems

Options

- Contactless RF chip reader, ISO 14443 Type A and B compatible. Image, decode and chip read in a single operation.
- Linear and PDF417 2D barcode reading
- Quality Assurance version including software
- High resolution 400dpi array.

Technical Specifications

Model Ref: RTE8000

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

Auxiliary Device Interfaces: 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 1.5 GHz class running Windows 2000 or XP, 256Mb RAM, 40Mb HD space.

Compliance:

FCC, CE, UL certified.

Supplied Host Software:

Full software suite including TCP/IP interfaces, network configuration and reader configuration utilities.

SDK:

Full SDK including dlls, ocxs 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 09/07.



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