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SECURING YOUR IMAGE. DELIVERING YOUR DATA.



RDS 3000/6000

Document Reader Scanner

- Designed for front, middle and back office use
- Automatic document feeding for 80 documents/checks
- Two output pockets
- High capacity in a compact machine
- Superior codeline reading and imaging
- Color imaging available in the RDS 6000
- Voiding and endorsing options

Small, compact and ergonomic, the RDS 3000/6000 is a data capture and document imaging solution for processing various types of financial documents, including checks, credit transfer slips, traveler's checks, utility bills and other vouchers.

This versatile and compact reader scanner, addressing counter as well as middle and back office processing requirements, combines high functionality and performance with small a footprint; several different data entry devices are combined in a single unit, using only one interface. The front roll-on stamp option and the rear inkjet endorser increase the performance and flexibility of the system.

While the RDS 3000 captures high quality document images in grayscale, the enhanced RDS 6000 allows front and back scanning in full-color in a single pass, providing equally accurate codeline reading. Both versions feature exceptional ergonomics and user acceptance.

Depending on processing requirements and document size, throughput on the RDS 3000/6000 can reach up to 60 documents per minute.

AUTOMATIC DOCUMENT FEEDER

The document autoseeder can hold up to 80 standard documents, and documents may be added to the feeder without interrupting document flow. To ensure that only one document enters the paper path at a time, the double feeding control (transparency check) works with two photosensors at different heights, located right after the feeder.

CODELINE READING: MICR AND OCR

The RDS 3000/6000 can read MICR and OCR in a single pass.

The unit's MICR reading functionality decodes both CMC7 and E13B magnetic codelines. Reliability of the system is undisputed, based on the experience of thousands of Seac Banche codeline readers installed worldwide. The MICR head is spring-loaded, so that it can easily accommodate documents with different paper weight and thickness.

The proprietary onboard decoding system for OCR documents (optional) can read OCR-A, OCR-B and E13B codelines and mixed font OCR-B x E13B (U.K. Bank Giro), with outstanding accuracy and reliability. The OCR system can also be used for barcode reading.

IMAGE PROCESSING

The RDS 3000/6000 uses the most advanced technology available on the market for high-performance image capture. Images captured by the RDS 3000/6000 are perfectly clear and sharply defined. The system allows for up to three separate images of a document to be captured in a single pass.

Images are scanned under program control and can be used to provide input to OCR/ICR character recognition systems, allowing for the acquisition of reliable and accurate data, as well as stored for archive and retrieval.

Resolution can be selected via application software, independently for front and rear images - 200 x 200, 100 x 100, 200 x 254 or 100 x 127 dpi (depending on transport speed), 256 or 16 shades of gray, green or red light source (the latter showing red dropout images). The images can be compressed by DLL functions in several formats, according to user needs.

The RDS 6000 captures front and rear images in full color, without losing the ability to capture grayscale images.

ADDITIONAL FEATURES

The programmable inkjet endorser can print a variable string of data on the rear side of the document, up to full document width. The optional roll-on front stamp can be used to void documents; the pad can be personalized by the user, and it is automatically inked before each stamping action by an inking roller. Voiding and endorsing are controlled by the application.

The RDS 3000/6000 can also be equipped with an optional manual magnetic stripe card reader which is housed in its own track at the front of the unit.

POCKETS

The RDS 3000/6000 is equipped with two adjustable sorting pockets with a capacity of about 80 documents each, motorized to prevent paper jams and equipped with pocket-empty photosensors. The sorting criteria are set by the application.

TECHNICAL SPECIFICATIONS FOR THE RDS 3000/6000

PAPER HANDLING

- . Automatic document feeder with a capacity of up to 80 documents
- . Double feed control: two photosensors at different heights
- . Two output stackers: approximately 80 documents each
- . Transport speed: 17 in./sec (433 mm/sec) or 13.4 in./sec (340 mm/sec)

DOCUMENT SPECIFICATIONS

- . Length: 3.9-8.9 in. (100-225 mm)
- . Height: 2.0-4.1 in. (52-104 mm)
- . Weight: 0.15-0.31 lbs (70-140 g/sqm)

CODELINE READING

- . MICR: magnetic fonts CMC7 and E13B
- . OCR (optional): optical fonts OCR-A, OCR-B, E13B and OCR-B x E13B (U.K. mixed font)
- . Barcode via OCR head (optional): Interleaved 2 of 5, Code 39, Code 128

GRAYSCALE IMAGE CAPTURE: RDS 3000

- . Up to 3 images in one pass:
 - front image captured with green light
 - front image captured with red light (allowing red dropout image)
 - rear image captured with either green or red light
- . 200 x 200 dpi or 100 x 100 dpi at 17 in./sec (433 mm)
- . 200 x 254 dpi or 100 x 127 dpi at 13.4 in./sec (340 mm)
- . 256 or 16 gray levels

COLOR IMAGE CAPTURE: RDS 6000

- . Front and rear color images in one pass
- . 200 x 200 dpi or 100 x 100 dpi at 17 in./sec (433 mm)
- . 200 x 254 dpi or 100 x 127 dpi at 13.4 in./sec (340 mm)
- . Color depth 16-bit (64k colors)
- . Grayscale and black & white imaging remains available

IMAGE FORMATS

- . Bitmap (.bmp): uncompressed
- . Jpeg (.jpg): compression ratio selectable by application; available also for color imaging
- . Tiff (.tif): grayscale
- . G4 (.tif): black & white binarisation with fixed threshold, adaptive 1-D or adaptive 2-D, selectable by application

ADDITIONAL FEATURES

Rear Inkjet Printer

- . Programmable endorser, application controlled
- . Line of data printed on back of document can extend to full width

Cancellation Stamp (optional)

- . Front of document
- . Roll-on stamp with inking roller
- . Maximum dimensions: 1.6 x 0.7 in. (39.5 x 18.5 mm)

Magnetic Badge Reader (optional)

- . Manual swipe reader
- . Tracks 2&3 or 1&2

AVAILABLE INTERFACES

- . USB 2.0
- . USB 1.1 (RDS 3000 only)
- . SCSI-2

API SOFTWARE TOOLS

- . ScanRead API enables easy integration with teller applications
- . Available for MS Windows 95/98/ME, 2000, NT (SCSI only) and XP

ENVIRONMENTAL CONDITIONS

- . Operating temperature: 50° - 86° F (10° - 30° C)
- . Humidity: 5% - 90%, non condensing

POWER SUPPLY

- . Internal
- . 100V-240V, 50-60 Hz, full-range
- . 15W stand-by, 80W maximum operative

DIMENSIONS

- . Length: 13.0 in. (330 mm)
- . Width: 6.5 in. (165 mm)
- . Height: 8.2 in. (208 mm)
- . Weight: 12.8 lbs (5.8 Kg)

CERTIFICATIONS

- . CE
- . EN 60950, EN 55022, EN 50082

ABOUT SEAC BANCHE

Seac Banche is the leading provider of check imaging equipment for teller positions, branch back offices, centralized processing centers and self-service systems. The company's success is rooted in leveraging strong partnerships with international resellers and VARs to provide a total solution to its end users. With more than 400,000 units installed on five continents, Seac Banche specializes in helping financial institutions use check processing equipment as a powerful tool to automate their businesses, expand their markets and serve their customers better. Founded in 1987, Seac Banche maintains corporate offices, including R&D and production facilities, in Florence, Italy. Seac Banche USA, Inc. maintains corporate offices, including its own service, maintenance and repair center, in Atlanta.



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