



## RDM's Two-Sided Imaging Solution | EC7000i™ Series

**TWO-SIDED.  
LOW-COST.  
FEATURE-RICH.  
ROBUST.**



### Product Overview

The EC7000i Series is the industry's first feature-rich, low cost, two-sided scanner. Based on RDM's EC6000i® Series with its small footprint, connectivity to the most popular POS terminals, and industry leading MICR and image technology, the EC7000i Series provides a low cost, two-sided imaging solution for merchants and low volume billers who want to take advantage of the opportunities presented by Check 21.

The EC7000i Series scanners feature a standard USB port, in addition to a wide variety of optional features such as Franking Acknowledgment printer, internal alphanumeric OCR A and B character recognition, OCR E13B MICR Assist, and 3-track bi-directional Magnetic Stripe Reader (MSR), positioning it as one of the most versatile and reliable products in the marketplace.

Utilizing RDM's Progressive MICR Method, the EC7000i Series of imagers deliver the industry's highest MICR read accuracy which results in lower administrative returns due to MICR misreads and rejects.

In addition to RDM's industry leading "single pass" Progressive MICR Method, the optional OCR E13B MICR Assist feature can be enabled to provide maximum recognition, performance and accuracy to virtually 100% read rate.

The EC7000i Series also captures crisp, clear binary images exceeding the industry's requirements for legible images.

As an optional feature, the Franking Acknowledgment printer prints a fixed text message on the front face of the check facilitating the requirement for check defacement in one simple process, increasing efficiency, which is vital in the point-of-purchase (POP) environment.

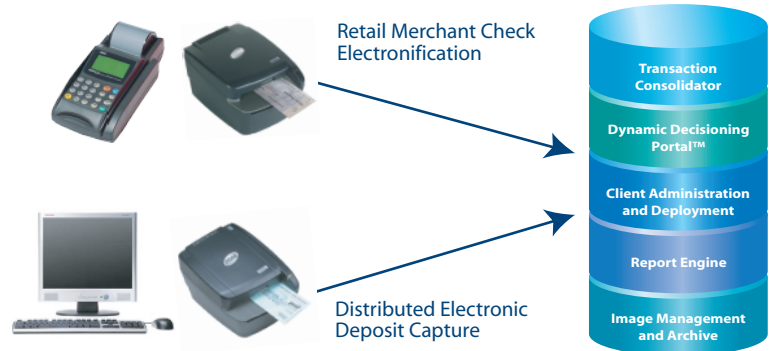
Under application control, the bi-directional document drive in the EC7000i Series can be paused to hold documents pending an authorization decision. For approved transactions, checks are returned to the user "face down" through the exit slot. Transactions that are denied cause the check to be returned to the user "face up" from the exit slot.

### Key Features

- ▶▶ Includes all of the industry leading features of RDM's EC6000i Series
- ▶▶ Captures a high-quality two-sided binary image of the check in seconds
- ▶▶ Lowest cost two-sided imager in the industry
- ▶▶ Optional Franking Acknowledgment Printer
- ▶▶ Utilizes RDM's patented Progressive MICR Method delivering the highest MICR read rate in the industry
- ▶▶ Optional bi-directional Magnetic Stripe Reader (MSR)
- ▶▶ Standard USB connectivity provides flexible connection to PC-based applications
- ▶▶ Standard 2-year manufacturer warranty



The successful implementation of a Check Electronification or Bill Payment program involves a number of different factors and components. RDM simplifies the process by combining our EC6000i and EC7000i series of imagers, Image & Transaction Management System (ITMS™) software solutions and strong partnerships with leading processors and terminal manufacturers to offer the most comprehensive Check Electronification and Bill Payment solutions to our customers.



## Product Specifications

### Internal Image Storage (memory)

Standard memory capacity approximately 225 images\*  
Optional memory capacity approximately 625 images\*  
\* Based on 11kb size

### Image

CCITT Group 4 compression (ITU T.6) of bi-level image  
TIFF 6.0 file format  
MICR line with transaction information included in header description tags of check image  
OCR line with transaction information included in header description tags of bill stub  
Image size varies according to document, typically 11kb or less  
High quality binary (b&w) 200 dpi nominal

### Document

Minimum: 2.17" W x 4.4" L (5.5 cm x 11.2 cm)  
Maximum: 4" W x 9" L (11.16 cm x 22.86 cm)  
Paper weight: 8lb to 100lb (thermal paper to business card stock)

### Microprocessor

Renesas (Hitachi) SH-3 32-bit RISC 133 Mhz

### Communication Ports

Power: Mini-Din 3-pin  
USB: Type-A connector (V1.1)  
AUX: Mini-DIN 8-pin  
COM: Mini-DIN 9-pin  
TEL/Ethernet: RJ11 for optional modem; RJ45 for optional Ethernet

### Magnetic Read

E13B MICR character set. Uses RDM's Progressive MICR Method for optimum MICR read accuracy

### Bi-directional Check Drive

Bi-directional document drive can be paused under application control to hold a check pending an authorization decision, and provide visual disposition of the decision by returning the check to the user via the exit slot face up if approved or face down if denied

### Software

Developer's Kit includes: Application Developer's Kit (ADK) for Windows, Sample Application SAXCo and Serial Interface Kit

### Physical Dimensions

Std model: max. 10.2" L x 6.2" W x 4.8" H  
MSR model: max. 10.2" L x 6.2" W x 5.3" H

### Power

Power Consumption: 12 W (normal operation)  
Input: 100-240V AC, 50-60Hz 1.2A  
Output: 24V DC, 1.5A

### Environment

Temperature (Operating): 32 to 104 Degrees F  
Humidity (Operating): 10 to 85% relative humidity (non-condensing)

## Options

### Modem

33.6Kb internal modem with data compression and error correction

### Ethernet

Optional 10BaseT connectivity

### Franking Acknowledgement Printer

Under application control a fixed text message is stamped on the face of the check (1 line "Electronically Presented" in red). Customizable text message on franking stamp at time of order is available

### Magnetic Stripe Reader (MSR)

3-track, bi-directional, alphanumeric

### OCR E13B MICR Assist

When activated under application control, optical read of E13B MICR characters acts as a backup to the magnetic read enhancing MICR read

### OCR Font Recognition

Alphanumeric OCR A and B font recognition, internal to scanner enables automatic recognition of OCR code-lines for applications such as bill payment

### Stacker for EC7000i Series & Card Terminal



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