imageFORMULA
CR-50
CR-80

CHECK READER

Canon
Delighting You Always

A New Paradigm
of Performance
for Check Truncation

The compact, front-counter Canon imageFORMULA CR-50/80 capture MICR data with images of front and back of checks at speeds up to 50 or 80 checks per minute. Each model offers multiple scanning modes and provides fast, reliable, high quality check imaging to prepare your institution for check truncation, electronic check presentment and beyond.

Canon

imageFORMULA
CR-80

Improve The Bottom Line With Front-Line Efficiencies

With the ideal combination of functionality, size, and speed, the Canon imageFORMULA CR-50/80 check reader excel in front counter or remote capture environments. Each model offers unmatched image quality and reliability for check capture at the first point of presentment.

Scanning Size
108x228 MAX mm
(4.25inx8.98in)

State-of-the-art Mechanical Design

Maximize Productivity for Limited Workspaces

The CR-50/80 are ideal for teller counters, cashier windows, merchant, or corporate locations. With dimensions of 140 x 223 cm (5.5 x 8.8 in.) and weighing only 2 kg (4.4 lb.), these scanners are easily portable and take up minimal space.

Smooth, Reliable Paper Feeding

Whether scanning mixed batches or single items, the CR 50/80 feature advanced paper handling mechanisms for uninterrupted processing and smooth, reliable operation. An extendable output tray allows the scanner to accommodate larger checks up to 108 x 228 mm (4.2 x 9.0 in). Infrared Double-Feed Detection and Paper Thickness Adjustment capabilities allow for dependable paper feeding and image capture, time and time again.

High-speed Scanning of 50/80 Checks Per Minute

50 cpm   **80 cpm**

With a duplex scanning rate of 50/80 checks per minute*, the CR-50/80 achieve a new level of speed for compact check scanners.

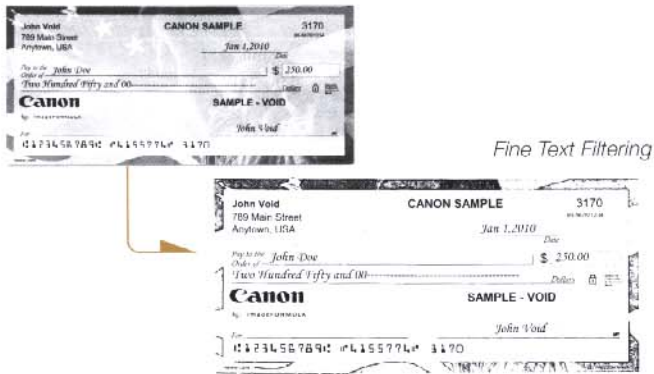*When reading US personal checks at 200 dpi*

Designed for Easy Maintenance

The CR-50/80 feature a cover that opens to the side, which makes it easy to clear a misfeed or allows for access to scanning glasses and feed rollers, without exposing or risking damage to sensitive hardware components.

Exclusive Canon Technology

Advanced Image Processing Technology

Building on Canon's high-precision optical technology expertise, the CR-50/80 deliver impressive image quality. New advanced image processing technology, Fine Text Filtering, significantly reduces unwanted noise resulting from background colors and images on the checks, allowing the sharper image capture with less distortion, whether it is printed or handwritten. This means better OCR accuracy.
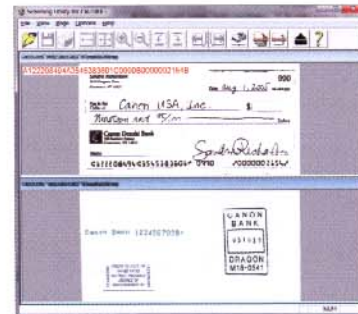

Fine Text Filtering

High-precision MICR Reading

Equipped with a Canon patented magnetic-head, the CR-50/80 read MICR codeline data with high accuracy for reduced transaction errors. These powerful check scanners support international E13B and CMC7 MICR standards and combine MICR reading with OCR (MOCR) processing to ensure accurate MICR data capture, without compromising speed.

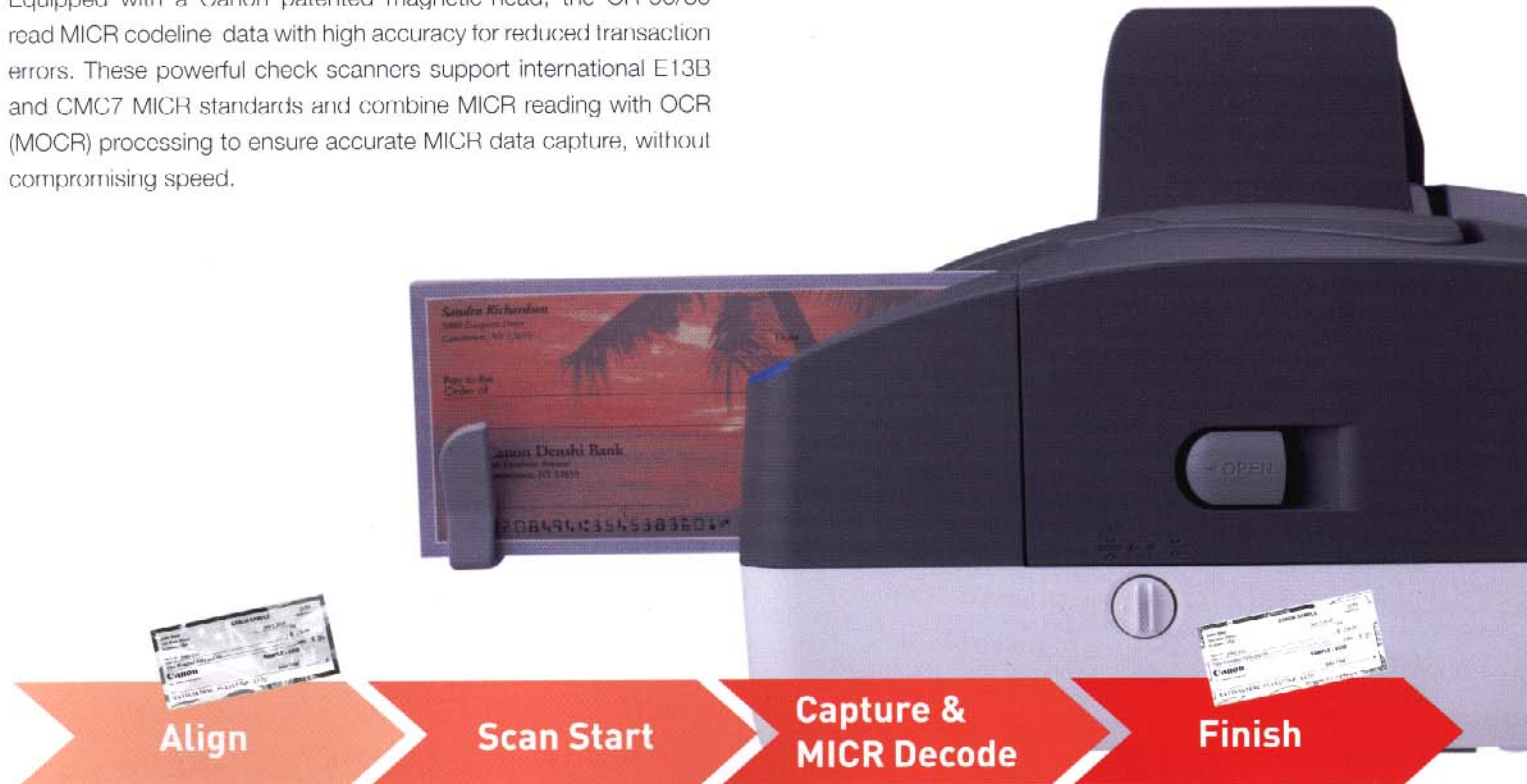## Built-in Imprinter for Pre-scan Endorsements

A built-in, pre-scan imprinter comes standard for printing and capturing important endorsement information to meet audit trail requirements. Maximum character length is 32 characters in a standard 3 mm font or up to 48 characters in a 2 mm font.

Convenient Software and Easy Integration

The CR-50/80 come with the Canon Scanning Utility, an application that provides scanning, file saving, image viewing, printing, and various other functions. Also included are a Canon scanner driver and a driver based on Silver Bullet Technology's Ranger™ Transport API software, allowing the CR-50/80 to be easily integrated into existing systems or used with a wide range of leading check processing software.

Align → **Scan Start** → **Capture & MICR Decode** → **Finish**

Finish Your CHECK Scans Quickly & Easily

CR-50/80 Specifications

Type	Sheetfed type check scanner
Document feeding	Automatic sheet feeding
Document size	Width: 54-108 mm (2.13-4.25 in.) Length: 80-228 mm (3.15-8.98 in.)
Document thickness and weight	Normal: 60-120 g/m² (0.08-0.20 mm, 16-32 lb bond) Infrared double feed detection ON: 81-105 g/m² (0.10-0.14 mm, 22-28 lb bond)
Feeding Capacity	Maximum 50 sheets or 5 mm (0.2 in) stack height
Scanning element	CMOS CIS
Light source	LED (Red, Green, and Blue)
Scanning side	Simplex/Duplex
Scanning modes	Black and White, Fine text filtering, Error diffusion 4-bit Grayscale, 8-bit Grayscale 24-bit Color
Scanning resolutions	Black and White/Grayscale: 100/120/200/300 dpi, 24-bit Color: 100/120/200 dpi
Scanning speed (US Personal Checks)	CR-50:<200 dpi> Black and White/Grayscale: 50 cpm, Color*: 20 cpm <300 dpi> Black and White/Grayscale: 20 cpm CR-80:<200 dpi> Black and White/Grayscale: 80 cpm, Color*: 30 cpm <300 dpi> Black and White/Grayscale: 30 cpm
MICR/OCR	MICR: E13B/CMC-7 OCR: E13B/OCR-A/OCR-B
OS	Windows XP 32bit (SP3), 64bit (SP2), Windows Vista 32bit/64bit (SP2), Windows 7 32bit/64bit (SP1)
Interface	Hi-Speed USB 2.0
Useful functions	Infrared double feed detection, Built-in imprinting, Ink level alarm, Four line and dynamic add-on
Power requirements	AC120V (60Hz), AC220-240V (50/60Hz)
Power consumption	Scanning: Less than 21W, Sleep Mode: Less than 5W
Operating environment	10°C-32.5°C (50°F-90.5°F), Humidity: 20%-80% RH
Dimensions (W x D x H)	Tray closed: 140 x 223 x 188 mm (5.5 x 8.8 x 7.4 in.) Tray opened: 140 x 367 x 188 mm (5.5 x 14.4 x 7.4 in.)
Weight (without AC Adapter)	Approx. 2 kg (4.4 lb.)
Options/Consumables	Ink cartridge (for imprinter)

* 200dpi color is converted from optical 200x100dpi.
* Actual scanning speed may vary depending on data transfer time and your system configration. Specifications are subject to change without notice.

■ Ink cartridges

Two different inks are available for imprinting purposes: Black and Blue. Cartridges are sold separately from the CR-50/80.

■ Energy efficient

This device meets the ENERGY STAR Program guidelines for energy efficiency, meaning it requires less energy and costs less to run.

■ CR-SDK (Software Development Kit)

The CR Software Development Kit (CR-SDK) is available for users who wish to create an application that take advantage of the CR-50/80's array of additional capabilities, which include an add-on function that enables printing on images only, and an image quality assurance (IQA) function that checks image quality. An application can also be developed for the .NET environment.

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