

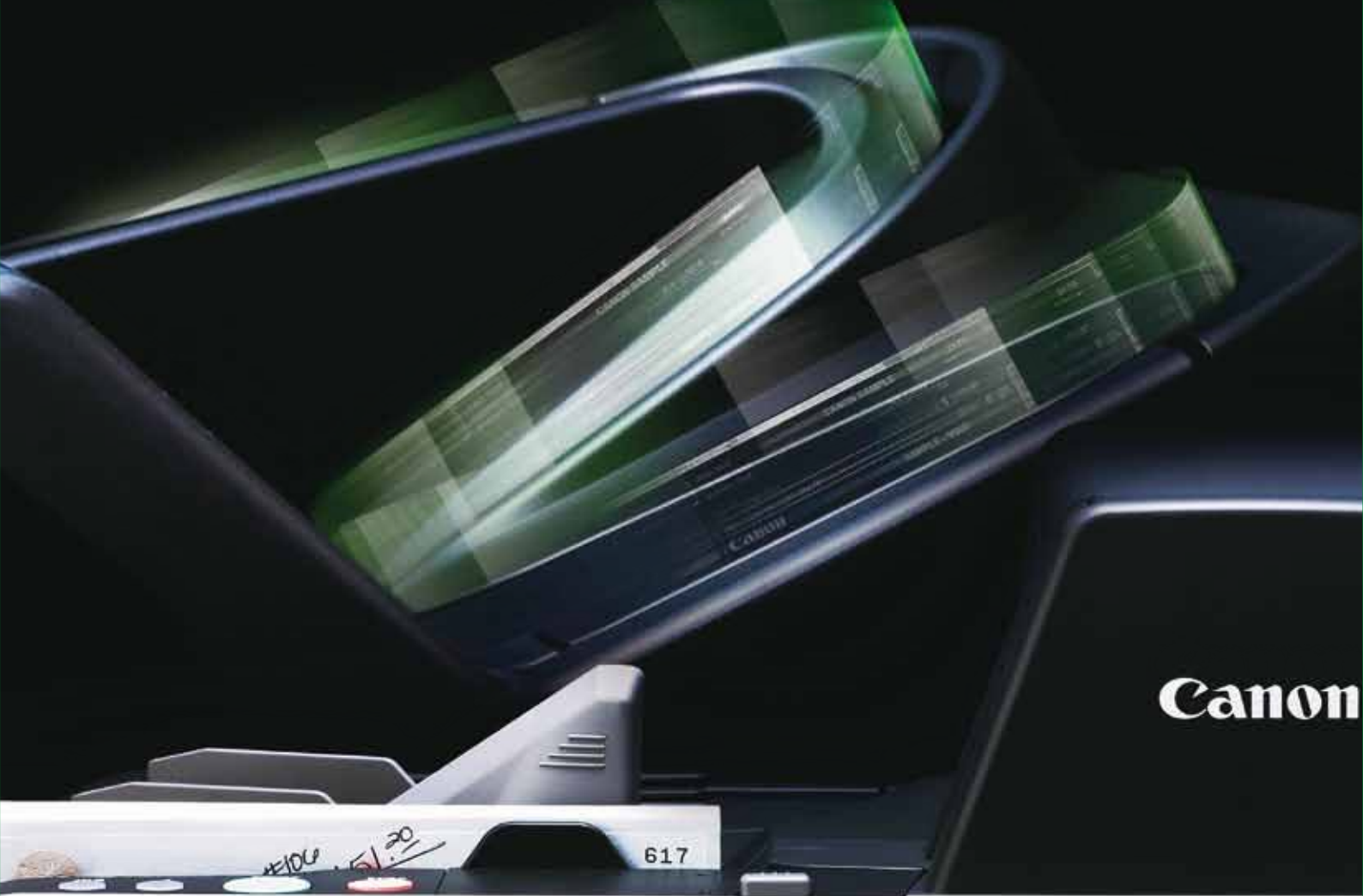
 **imageFORMULA**
CR-135i
CR-190i

Canon
Delighting You Always

CHECK READER

RAPID & RELIABLE SCANNING IN A COMPACT BODY

The compact Canon CR-135i/190i offers high-speed check scanning (CR-135i: 135 checks per minute, CR-190i: 190 checks per minute), plus many features that provide reliable operation and high-quality images. It's the ideal unit for improving check processing efficiency.



135
cpm

190
cpm

Business **Can** be simple

Find out more at www.canon-asia.com

State-of-the-art Mechanical Design

High-speed scanning of 135/190 checks per minute



With a duplex scanning rate of 135/190 checks per minute*, the CR-135i/190i achieves a new level of speed for compact check scanners.

* When reading American checks at 200 dpi with Fine Text Filtering

Efficient, large-capacity feeder



Manually inserting checks one by one into the scanner can become a very labor-intensive task when processing large volumes of checks. The CR-135i/190i simplifies this process with a feed tray that holds up to 250 checks at a time and allows on-the-fly reloading while checks are being scanned. This

feature, which is a result of Canon's wealth of accumulated expertise, allows hands-free scanning and improves the overall efficiency of your high-volume check processing operations.

Accurate double feed detection

The CR-135i/190i is equipped with an ultrasonic sensor that prevents misreadings and omissions by reliably detecting double feed errors in the rare event they occur.

Simple, one-button check alignment (CR-190i only)

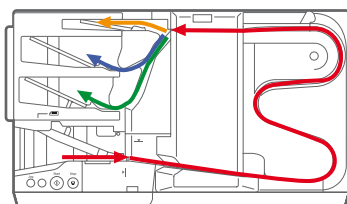
To ensure that MICR data is read accurately, stacks of checks must be properly aligned before scanning. The CR-190i is equipped with a built-in jogger unit that aligns checks in the feeder before scanning starts. The convenient, one-button operation saves you the time and trouble of using a separate unit for this task.



Three-pocket sorting

The CR-135i/190i is equipped with three output pockets - two that hold 200 checks each and one that holds 50. Scanned checks can be sorted based on MICR and OCR data*.

* The availability of OCR-based sorting depends on the capabilities of the application used.



A WHOLE NEW LEVEL OF ACCURACY, SPEED AND CONVENIENCE

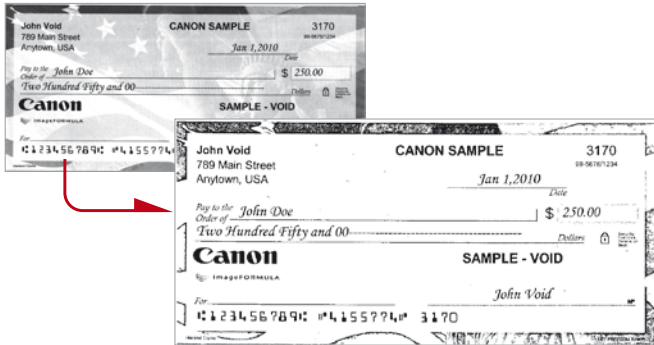
The Canon CR-135i/190i check scanner is a powerful business tool. In addition to boosting your check scanning speed and accuracy, the CR-135i/190i features a compact footprint to help you save valuable space in the office. Canon's unique, all-in-one design improves efficiency by combining five process steps - stack alignment, MICR reading, endorsement printing, scanning and sorting - into a single, quick operation.



Exclusive Canon Technology

Advanced image processing technology

The CR-135i/190i uses Fine Text Filtering to achieve clean text scans. The advanced image processing technology significantly reduces unwanted noise resulting from background colors and images on the checks, allowing the sharp reproduction of important character data, whether it is printed or handwritten.



Fine Text Filtering

Four-line endorsements

The CR-135i/190i can print endorsement information on the back of checks while they are being scanned. Up to four 48-character lines of text, as well as bitmap images, can be printed clearly on the checks.

Compatible with documents other than checks

While the CR-135i/190i functions primarily as a check scanner, it can also be used to scan a variety of other documents, including envelopes and deposit slips. Documents can be as large as 108 x 245 mm (4.3 x 9.6 in).

Ultra-reliable MICR reading

With Magnetic/Optical Character Recognition (MOCR) technology that uses Canon's high-precision magnetic reader simultaneously with OCR processing, the CR-135i/190i is able to achieve a Magnetic Ink Character Recognition (MICR) accuracy of 99.999%* while maintaining a high scanning speed of 135/190 checks per minute.

* Based on the results of our testing

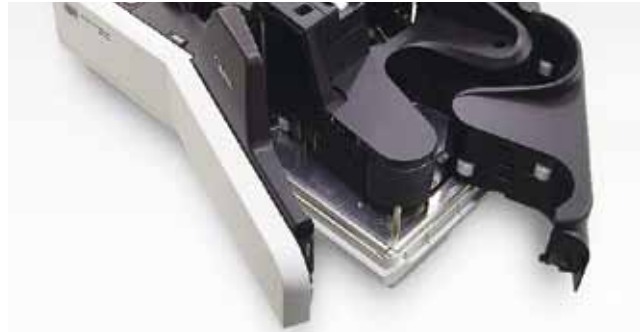
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CR-135i
CR-190i

Scanning Size

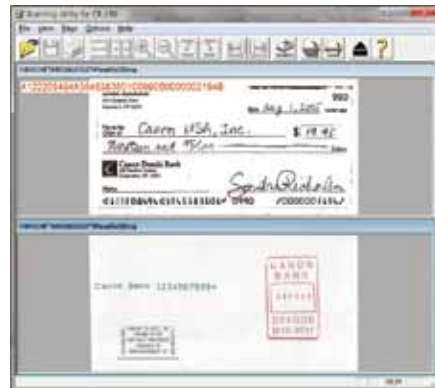
108x245 MAX
(4.3inx9.6in)

Quick and easy maintenance

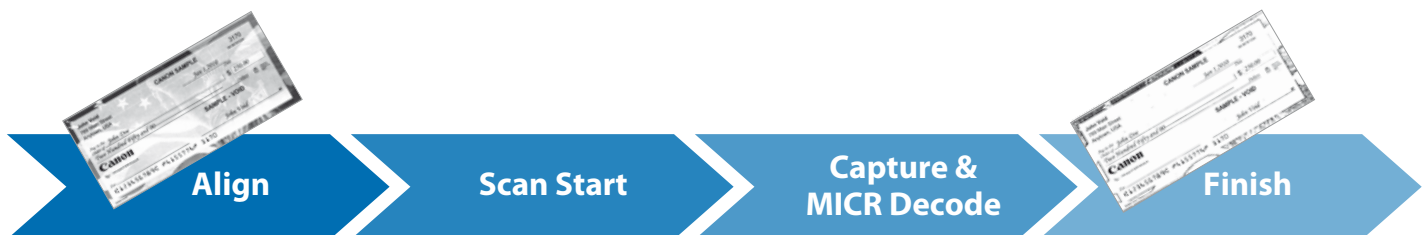


The CR-135i/190i opens on the side, making it easy to perform maintenance tasks such as changing the imprinter's ink cartridge, clearing paper jams and cleaning the scanning glass and feed rollers.

Convenient software and easy integration



The CR-135i/190i comes 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-135i/190i to be easily integrated into existing systems or used with a wide range of leading check processing software.



Finish Your CHECK Scans Quickly & Easily

CR-135i/190i Specifications

Type	Sheetfed type check scanner
Document feeding	Automatic sheet feeding
Document size	Width : 68 – 108 mm (2.7 – 4.3 in.) Length : 120 – 245 mm (4.7 – 9.6 in.)
Document thickness and weight	0.08 – 0.20 mm (0.003 to 0.008 in), 64 – 157 g/m ² (17 – 40 lb bond)
Feeding capacity	25mm (1.0 in) stack or 250 sheets
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 Grayscale: 256-level, 16-level
Scanning resolutions	100 x 100 dpi, 120 x 120 dpi, 150 x 150 dpi, 200 x 200 dpi, 240 x 240 dpi, 300 x 300 dpi
Scanning speed (U.S. Checks, 200 dpi, all mode)	CR-135i: 135 cpm* CR-190i: 190 cpm*
MICR/ OCR	MICR : E13B/ CMC-7 OCR : E13B/ OCR-A/ OCR-B/ Check Writer/ Universal Character
OS	Windows XP(32bit/64bit), Windows Vista(32bit/64bit), Windows 7(32bit/64bit)
Interface	Hi-Speed USB 2.0
Useful functions	Auto Paper Size Detection, Ultrasonic Double Feed Detection, Color Dropout (R/G/B)
Power requirements	AC220 – 240V (50/60Hz)
Power consumption	CR-135i: Less than 50.3W, Sleep Mode: Less than 4.5W CR-190i: Less than 52.8W, Sleep Mode: Less than 4.7W
Operating environment	10°C – 32.5°C (50°F - 90.5°F), Humidity: 20% – 80% RH
Dimensions (W x D x H)	476mm x 272mm x 214mm (18.7 x 10.7 x 8.4 in.)
Weight	CR-135i: Approx. 8.0 kg (17.1 lb.) CR-190i: Approx. 8.4 kg (18.5 lb.)
Options/Consumables	Ink cartridge (for imprinter), Exchange Roller Kit, Ink Disposal Tank



■ Imprinter ink cartridge (sold separately)

The ink cartridge is not included with the scanner. Purchase an ink cartridge separately, as shown below. Compatible ink cartridges: Canon ink cartridge PG-50 Black or PG-40 Black

■ Easy maintenance

The CR-135i/190i is durable and easy to keep in top scanning condition. An user-installable Exchange Roller Kit is available for replacing when worn - no service technician is required.

■ Energy efficient

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



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DEALER'S STAMP

*Scanning speed may vary depending on PC environment, scanner settings, and other factors. Specifications are subject to change without notice.

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-135i/190i's array of additional capabilities, which include an advanced imprint function, an add-on function that enables printing on images only, an image quality assurance (IQA) function that checks image quality, and the ability to control applications using the buttons on the machine. An application can also be developed for the .NET environment.

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