

**Canon**

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PROCESS AUTOMATION

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



## Fast, Dynamic Check Processing

The Canon imageFORMULA CR-190i High-Volume Check Transport is the cornerstone for production check processing, delivering high performance, reliability, and image quality. With an efficient countertop design, the CR-190i check transport is capable of meeting even the toughest challenges.

### Wide Variety of Applications

The CR-190i check transport can help financial institutions, utilities, and other organizations that handle large volumes of checks improve the efficiency of payment processes and treasury management. This results in faster access to funds, reduced costs, and increased ROI. The features offered by this check transport are ideal for high-volume remittance processing, lockbox, and back-office/branch capture. The CR-190i comes bundled with a Silver Bullet Ranger driver and Ranger Software Development Kit (SDK) to help ensure compatibility with virtually any check processing software application.

### Dynamic Performance

The CR-190i check transport achieves impressive speeds of up to 190 cpm, has a suggested daily volume of up to 24,000 items, and can perform real-time dynamic four-line endorsement. Equipped with a high-capacity, 250-item Automatic Document Feeder (ADF) capable of continuous drop-in batch scanning, the CR-190i check transport also includes two 200-item eject pockets. These can be used individually or virtually combined—with output items “waterfalling” or alternating between each physical pocket—for increased output capacity. These eject pockets are supplemented with an additional 50-item pocket for three-way sorting capability.

### Exceptional Reliability

The CR-190i check transport employs Canon’s proven roller system to achieve exceptional feeding reliability. It can handle a wide variety of items, including business and personal checks, and thicker items such as rebate check cards and envelopes. The built-in jogger ensures optimal item alignment to help eliminate mis-feeds, and in the rare event that a double-feed occurs, the ultrasonic double-feed detector ensures no data is lost. The CR-190i check transport uses magnetic/optical character recognition (MOCR) technology. This combines MICR reading with OCR processing to ensure accurate MICR data capture without sacrificing speed.

## Impressive Image Quality

Building on Canon's high-precision optical technology expertise, the CR-190i check transport delivers impressive image quality. Image processing features, such as Fine Text Filtering, allow sharper image capture with less distortion and result in better OCR accuracy. By scanning with an optical resolution of 1200 dpi, small details and other valuable check information can be captured and reproduced with exceptional clarity and precision.

## Efficient Design

The CR-190i check transport's countertop size and easy-access design allow it to fit into even the busiest environments. Durable materials, enclosed mechanics, and an easy-access paper path make it simple and risk-free for operators to perform basic maintenance tasks, such as changing the imprinter's ink cartridge, clearing jams, and cleaning the scanning glass.

## Environment in Mind

Canon designed the CR-190i check transport with the environment in mind. It meets ENERGY STAR® guidelines for energy efficiency and complies with the RoHS and WEEE directives for reduction of hazardous substances and waste products.



## Specifications

<b>Type:</b>	High-Volume Check Transport	
<b>Document Feeding:</b>	Built-in Automatic Feeder (ADF)	
<b>Document Size</b>		
Width:	2.7" - 4.3"	
Length:	4.7" - 9.6"	
<b>Document Weight</b>		
Automatic Feeding:	0.003" - 0.008" (17 - 40 lb. Bond)	
Bypass Mode:	0.003" - 0.02" (17 - 112 lb. Bond)	
<b>Feeder Capacity:</b>	Approx. 250 Sheets	
<b>Scanning Element:</b>	Improved One-line Contact Image Sensor (CMOS)	
<b>Light Source:</b>	RGB LED	
<b>Scanning Modes:</b>	Simplex, Duplex, Grayscale, Black and White, Fine Text Filtering, Error Diffusion	
<b>Optical Resolution:</b>	1200 dpi	
<b>Output Resolution:</b>	100/120/150/200/240/300 dpi	
<b>Grayscale:</b>	256-Level, 16-Level	
<b>Scanning Speeds*</b>	<b>Simplex</b>	<b>Duplex</b>
Black and White:	190 cpm	190 cpm
Grayscale:	190 cpm	190 cpm
<b>MICR/OCR</b>		
MICR:	E13B/CMC-7	
OCR:	E13B/OCR-A/OCR-B/Check Writer/Universal Character	
<b>Interface:</b>	Hi-Speed USB 2.0	
<b>Scanner Drivers:</b>	Windows XP/Windows Vista/7	
<b>Dimensions (H x W x D):</b>	8.4" x 18.7" x 10.7"	
<b>Weight:</b>	18.5 lb.	
<b>Power Consumption:</b>	56W or Less (Energy Saving Mode: 3.9W or Less)	
<b>Suggested Daily Volume:</b>	24,000 Scans	

### BUNDLED SOFTWARE

- Silver Bullet Ranger Driver with IQA
- Canon Scanning Utility Software

### OPTIONS

- Exchange Roller Kit
- Imprinter Ink Absorber
- One-Year CarePAK (Exchange Service)

### ITEM NUMBER

4605B002

### OTHER FEATURES

- Auto Page Size Detection
- Built-in Jogger
- Color Dropout
- MOCR-based Imprinting
- MOCR-based Sorting
- Deskew
- Function Button
- Paper Eject Button
- Three Output Pockets (200/200/50)
- Ultrasonic Double-Feed Detection
- Continuous Feeding
- Waterfall Output Mode

\* Examples based on typical settings, rated in checks per minute with U.S. personal checks at 200 dpi in black and white or grayscale.

\*\* Calculation based on scanning speed and typical daily time of usage.

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