Canon

imageFORMULA
CR-180

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Check Processing For The 21st Century

The revolutionary check processing technology of Canon's CR-180 device is designed to be an integral part of today's electronic check presentment. Surprisingly affordable, the CR-180 device is ideal for distributed imaging applications, such as branch capture and remittance processing.

Zero to 180 cpm in 60 Seconds

One of the fastest compact check transport systems on the market, the Canon CR-180 device features duplex scanning rates of up to 180 checks per minute* and simultaneously reads Magnetic Ink Character Recognition (MICR) data. Thanks to Canon's high-precision magnetic head and patented MICR reading and recognition technologies, you're assured high-accuracy, automatic E13B or CMC-7 MICR code-line reading during scanning.

The CR-180 check transport system offers an easy way to improve customer service and reduce costs associated with check handling. Plus, it minimizes the risk of damage or loss from the physical transfer of checks.

Less handling and smooth, reliable operation are made possible by the device's built-in, high-capacity 200-check feeder. Performance is further enhanced by the unique ability of the built-in jogger to align batches of checks loaded in the feeder tray, significantly decreasing total document preparation time. By reducing skew, the

jogging of checks minimizes jams and ensures more accurate system. A built-in Imprinter also comes standard to allow the printing of endorsement information on checks prior to scanning.

Designed to Keep Money Moving

The CR-180 check transport system is just the latest example of Canon reliability—the kind you can take to the bank. Built for high-volume environments, the CR-180 device can handle checks of all sizes and a daily volume of up to 20,000 pieces. It will easily handle the heavy demands of day-to-day operations, offering easy accessibility and simple routine maintenance throughout millions of scans.

The CR-180 system can complete even the most complex, duplex batch scanning jobs, automatically and virtually jam-free. Newly added Infrared Double-Feed Detection enhances reliability and simplifies image capture of check batches with mixed dimensions and thicknesses.

Innovative and Intelligent Technology

Naturally, the CR-180 device incorporates Canon's renowned image processing technology for impeccable image capture with precise detail. The process begins with Canon's own Contact Image Sensors and 300-dpi optical resolution. With its exclusive image processing technology, the CR-180 system is capable of producing high-quality black-and-white or grayscale images from a variety of stylized checks, including those with complex security backgrounds or graphic designs.

This powerful device generates amazing results, even from hard-to-capture text elements, such as gel or light-colored ink. A standard Color Dropout function removes color elements for improved OCR and text recognition. Additionally, the CR-180 device features OCR support for E13B, OCR-A, and OCR-B characters.

Versatility Expands Profitability

Incorporating Canon's ultra-reliable feeding mechanism, this compact scanning system can efficiently handle a wide variety of document types required for check processing, including payment and deposit slips or carrier envelopes. Two output pockets increase capacity and maximize sorting capabilities. By using preconfigured rules based on the MICR data, checks can be sorted into two separate 200-check stacks.
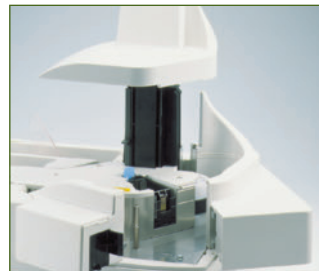
The bundled Silver Bullet Ranger driver and IQA software help ensure compatibility with virtually any check processing software application. The IQA module that comes standard with the CR-180 device verifies that check image quality is in accordance with Check 21 requirements, so you can avoid costly processing delays resulting from unusable images. Also included are ISIS® and TWAIN drivers, as well as Canon's Scanning Utility for the CR-180 system. This scanning utility software enables users to scan, view, print, and file check data while allowing MICR data to be

used as the file name or in log files for reference. Simple connectivity is ensured with dual SCSI-III and Hi-Speed USB 2.0 interfaces, giving you a choice of either popular industry-standard.

Revolutionary Check imaging

Canon, an established leader renowned for bringing innovative technologies to the financial services industry, once again displays its unique brand of ingenuity with the CR-180 check transport system. With new methods for processing check payments and deposits emerging as a result of Check 21, the CR-180 device provides a seamless transition to the new paradigm of cost efficiency.

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

Specifications

Type:	Desktop Check Scanner
Item Number:	8928A002
Document Feeding:	Built-in Automatic Feeder
Document Size	
Width:	2.4" - 4.6"
Length:	4.7" - 9.1"
Document Weight	
Normal:	16 - 32 lb. Bond
Infrared Double-Feed Detection On:	20 - 28 lb. Bond
Feeder Capacity:	Approximately 200 Checks
Grayscale:	256-Level, 16-Level
Scanning Element:	Contact Image Sensor (CMOS)
Light Source:	RGB LED and White LED
Scanning Modes:	Simplex, Duplex, Grayscale, Black and White, Error Diffusion, Adaptive Threshold, Advanced Text Enhancement
Output Resolution:	100/150/200/240 dpi

Scanning Speeds:*

	Simplex	Duplex
Black and White:	180 cpm	180 cpm
Grayscale:	180 cpm	180 cpm

MICR/OCR

MICR:	E13B/CMC-7
OCR:	E13B/OCR-A/OCR-B
Interface:	One SCSI-III, One Hi-Speed USB 2.0

Scanning Drivers:	Windows® 2000/XP/Windows Vista® (82-bit)
Dimensions (H x W x D):	15.7" x 9.5" x 10.7"
Weight:	Approximately 13.9 lb.
Power Consumption:	35W or Less (Energy Saving Mode: 6.6W or Less)
Daily Duty Cycle:	Approximately 20,000 Scans

BUNDLED SOFTWARE
- ISIS/TWAIN Drivers
- Ranger Driver with IQA
- Canon Scanning Utility Software

OTHER FEATURES
- Two Output Pockets
- Built-in Jogger
- Built-in Imprinter
- Color Dropout
- Automatic Page Size Detection
- Infrared Double-Feed Detection

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

NOTE: The CR-180 has been tested for compatibility with many of the industry's leading check imaging solution providers. Please visit the scanner's product page on Canon U.S.A.'s Web site at **www.usa.canon.com** for a comprehensive compatibility listing.

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