Canon image FORMULA CR-150/CR-120/CR-120 UV Specifications

Document feeding	Automatic / Non-separation
Document size	Width: 60 - 108 mm (2.4 - 4.3 in) Length: 90 - 245 mm (3.5 - 9.6 in)
Document thickness and weight	0.08 - 0.20 mm (0.003 to 0.008 in), 64 - 157 g/m² (17 - 40 lb bond)
Feeding capacity	15 mm (0.59 in) stack or 150 sheets (Output: 200 sheets)
Scanning element	CMOS CIS
Light source	RGB LED (CR-120 UV: UV LED + RGB LED)
Scanning side	Simplex / Duplex
Scanning modes	Black-and-white, Fine text filtering, Error diffusion, 256 level grayscale, 16 level grayscale, 24-bit Color (Card Scan only)
Scanning resolutions (primary scan lines x secondary scan lines)	Scan a check (Black and White/Grayscale): Output: 100 x 100 dpi, 120 x 120 dpi, 150 x 150 dpi, 200 x 200 dpi, 240 x 240 dpi, 300 x 300 dpi Scan a card (Color): Output: 600 x 600 dpi
Scanning speed*¹ (200 dpi Personal Check – 152 x 70 mm)	CR-150: 150 cpm / CR-120: 120 cpm / CR-120 UV: 120 cpm (UV Scan mode)
MICR/OCR	MICR : E13B, CMC7 OCR : E13B, OCR-A, OCR-B, Check Writer, Universal Character
OS	Windows Vista 32 bit & 64 bit Edition (SP2 or later), Windows 7 32 bit & 64 bit Edition (SP1 or later), Windows 8.1 32 bit & 64 bit Edition, Windows 10 32 bit & 64 bit Edition, Windows Server 2008R2, Windows Server 2012R2
Interface	Hi-Speed USB 2.0 (Type A x 1, Type B x 1) (The model with USB HUB option has additional ports.)
Supported image processing functions	Auto Page Size Detection, Color Dropout/Enhancement, Fine Text Filtering, Imprinter, Border Removal, Edge Emphasis, Add-on, IQA, Contrast Adjustment, MOCR/MICR, Deskew, Color Deviation Correction, OCR, Shading Compensation, Scan Area Setting, Multistream
Power requirements	AC 100 - 120V (60 Hz), AC 220 - 240V (50/60 Hz)
Power consumption	Scanning: 22W or Less, Sleep mode: 2.7W or less
Operating environment	Temperature: 10 - 32.5 °C (50 - 90.5 °F), Humidity: 20 - 80 % RH
Dimensions (H x W x D)	203.6 x 170 x 238.2 mm (8.0 x 6.7 x 9.4 in)
Weight	Approximately 3.2 kg (7.1 lb)
Options/Consumables	Magnetic Swipe Reader, Exchange Roller Kit, Ink Disposal Tank, Ink cartridge*²

* Specifications are subject to change without notice.
*1 Scanning speed may vary depending on PC environment, scanner settings, and other factors.
*2 The ink cartridge is not included with the scanner. Purchase an ink cartridge separately, as shown below.

Compatible ink cartridges:

Region	Canon Ink Cartridge
North America/South America	PG-145/145XL, 245/245XL
EU	PG-445/445XL, 545/545XL
Asia/Oceania	PG-645/645XL, 745/745XL

-CR-SDK (Software Development Kit)
The CR Software Development Kit (CR-SDK) is available for ISVs who wish to create an application that take advantage of the CR-150/CR-120'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.

Canon
imageFORMULA
CR-150
CR-120
CR-120 UV

Smart Scanning Solutions
with a Small Footprint

This compact and functional check scanner is ideal for operations in teller counter environments. It offers best-in-class reliability to process and scan small to large amounts of checks. In addition to its reliable basic features, a variety of useful options are also available.

CANON ELECTRONICS INC.

A Compact Scanner is Your Ideal Device
for Improving Check Processing Efficiency in Limited Workspaces.

The CR-150/120 check scanner is ideal for teller capture and back-counter capture inside your Financial Institution, as well as for remittance, lockbox, and RDC (Remote Deposit Capture) for higher-volume customers. Not only does it boast high-speed and accurate scanning capabilities which increase productivity, but by including a wide array of scanning functions into a single, compact device, this scanner enables you to get your work done more efficiently than ever before.

All of this means that your counter work can be done more efficiently and productively, allowing you to focus on what matters most... quality interactions and engagement with your customers. With a compact multi-function scanner, you can transform your branches into customer-first service centers without hindering performance.

- Built-in Imprinter
- Magnetic Swipe Reader (MSR)
- Card Scanning
- UV Print for Fraud Protection
- Accurate Double Feed Detection
- Designed for Easy Maintenance
- Ultra-Reliable MICR Reading

Maximize Productivity for Limited Workspaces

The CR-150/120 is primarily designed for teller capture and back-counter environments but fits very well in remittance, lockbox and RDC, as well. For teller capture, it's multi-function design eliminates the need for additional devices at the teller window. It boosts productivity and efficiency, making it possible to maximize investment ROI while also increasing utilization.

Space-Saving for Improved Efficiency

The CR-150/120 takes up only the smallest amount of counter space, leaving you free to do your work uninhibited. It's even easy to set-up and use in the corner spaces of partitioned counters. The CR-150 is equipped with a USB port, which allows you to form a daisy-chain link with nearby USB devices: no more fussing about with masses of tangled wires!

Faster Scanning for Enhance Productivity

These small devices are loaded with features adopted from high-end devices, which enables processing speeds of 150cpm/120cpm. That means you get your work done faster, and the customer spends less time waiting.

Contributing to Greater Customer Trust

The CR-150/120 doesn't get between you and your customers. It's equipped with a dedicated card-reading slot and magnetic card reading functionality*, so you can process a variety of deposit and payment related documents, such as checks, stubs, receipts, bank cards, and ID cards. No longer will customers be concerned when you disappear into the back office to process documents. Plus, counter staff can save time by not having to walk back and forth. As a result, you can complete your tasks up front while engaging with your customers.

*Requires the optional Magnetic Swipe Reader Unit.

Card-reading slot (Standard equipped)   Magnetic Swipe Reader (Option)

Built-In Features for Safety and Peace of Mind

In addition to the functions above, the device is also equipped with functions to make scanning operations more efficient and secure.

Built-in Imprinter
enables printing of important information needed to meet audit trail requirements.

Automatic Page Size Detection
accurately detects the size of each original document and saves the time and trouble of sorting batches by paper size.

UV Print for Fraud Protection

UV Print

The CR-120 UV is equipped with UV sensors, which can scan anti-fraud patterns printed on checks with UV ink.

Easy Integration

Ranger™ Transport API

The CR-150/120 supports popular check scanning software including the industry standard, Ranger Transport API. If you're running your system with Ranger, you can easily expand it to include the CR-150/120.

Scanning Drivers/Applications

The device supports the following drivers/applications:
- ISIS/TWAIN
- Canon unique driver
- Scanning Utility

CR-SDK

The CR-SDK tool integrates CR scanners with custom software applications. Integration is simple and easy. No expert knowledge is required, and the tool is compatible with existing CR series check scanners. For information on the CR-SDK, see the next page.

Reliable Quality, Guaranteed

A winning combination of cutting-edge Canon technology and guaranteed quality.

Enhanced MICR reading

Thanks to Canon's magnetic/optical character recognition (MOCR) technology, text scanning has been greatly improved, thereby reducing scanning errors and manual input of data. Processing speed has been increased due to enhanced character recognition.

Focus on Vital Info With Clear Scanning

Using the Fine Text Filtering Function, you can remove backgrounds and other unnecessary noise. This allows you to focus only on the text you need, resulting in a clearer and more accurate scan.

Fine Text Filtering

Accurate Double Feed Detection

Along with a range of high-end equipment, the built-in ultrasonic sensor prevents missed scans to ensure work is done quickly and efficiently.

Designed for Easy Maintenance

The cover opens to the side, making it easy to clear a misfeed, while also allowing access to scanning glass and feed rollers without exposing or risking damage to sensitive hardware components. Maintenance and restoration can be performed by users themselves, thereby lowering operational costs.