

freedom  
to focus

Canon

# OUTSTANDING PRODUCTIVITY AND PERFORMANCE

High-speed A3-document scanners capable of high output volumes with unparalleled processing speeds and reliability. These machines make your mountains become molehills. They turn processes that take multiple hours into tasks done in minutes.

## imageFORMULA DR-G Series

Black & White Scanners

140  
ppm



DR-G2140

110  
ppm



DR-G2110

90  
ppm



DR-G2090

# SCANNERS WITH AN EMPHASIS ON PRODUCTIVITY AND SCANNING EFFICIENCY



Our advanced feeding and transport capabilities preserve image quality and tackle a wide range of demanding situations. Check out some examples below.

## **Digitisation of academic test scores, documents and literature**

Process high volumes of exam answer sheets, academic essays, research papers and various literature using reliable document feeding features, such as double-feed detection. The scanners offer reliable performance for large volumes of important academic documents.

## **Processing of distribution and logistics receipts and slips**

Create a system in which barcodes on paper documents, such as collection and delivery slips, can be scanned on-site at each distribution or logistics centre with the barcode data registered to the centralised system on the spot. With this tracking system, you can notify your clients regarding delivery status instantly and accurately. The scanners include image processing features, such as text emphasis and noise reduction, that allow you to accurately extract the necessary information from the thinnest of receipts, even if they include creases, wrinkles, dirt, or faint difficult-to-read text. The information is then digitised, eliminating the work of manual input. The ability to scan receipts, invoices and item lists on-site via scanners at each warehouse, distribution centre or logistics base and instantly send the data to the centralised system increases the efficiency of supply chain management as a whole.

## **Management and accounting of hospital medical records**

Scan and digitise referrals, questionnaires, signed consent forms and other documents that are still handled using paper. Digitisation via the scanners allows for the long-term storage of complete patient records, and allows sharing of that data between hospitals and various departments. By attaching meta data to the scanned documents, you can create a system where digital patient information is automatically sorted into a database according to patient ID by simply scanning. In addition, this data can be linked with hospital accounting systems and pharmacy systems to boost the efficiency of treatment fees and prescription processing, thereby reducing labour costs and improving patient services.

## **Digitisation of government forms**

Speed up government processes and improve the quality of services by digitising government forms. Vast quantities of paper documents that have accumulated over decades can also be backed up and stored in digital databases. By digitising applications and forms received at local government offices and electronically cross-referencing that data with resident databases and other government systems, you can simplify workflows and speed up services for local residents. For example, taxation offices can boost efficiency by accessing and performing quick searches for information based on digitised insurance payment notices, certificates and other resident documentation.

## **Digitisation of finance and insurance business forms**

Scan and digitise application forms, copies of identification and other paper-based documents that contain client information. Digitising these documents reduces the substantial costs that are incurred from managing them in paper form, including storage location costs, costs incurred for transportation to such locations, and labour costs for manual input of the information contained in the documents. By incorporating the digitisation process into your workflow, you can also eliminate manual input errors and dramatically reduce the time it takes to upload data to system databases, thereby facilitating the sharing of information between branch offices and headquarters.

## **Processing of outsourced scanning tasks (BPO\*)**

Scan high volumes of illustrations, documents, and various other materials provided by outsourcing clients while ensuring reliable quality, speed and accuracy. The scanners' wide range of functions, including high feeding and image-processing performance, support a diverse range of scanning needs. The ability to bring the DR-G2140, DR-G2110 or DR-G2090 scanner to the client and perform scanning on-site allows maximum flexibility in service.

\* Business process outsourcing.

# SIMPLE AND INTUITIVE



## User-friendly 5-line LCD key layout

The large LCD capable of displaying five lines of text and the control keys allow you to start and stop scanning, check message displays and execute jobs for optimised overall operability.

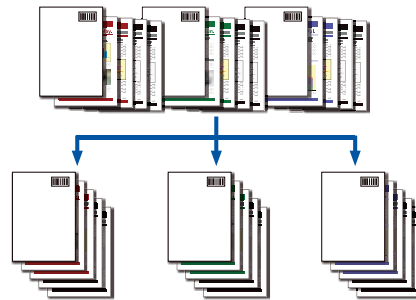


## Intuitive user-friendly design

Two scanning methods are available for adhoc and daily scanning. In addition to "Standard Scanning" where scanning mode and output mode can be separately configured, there is the ability to set up a "Scanning Shortcut" where the specific scanning mode and output method are preconfigured, allowing for single-click operation. It's also possible to edit scanned images, eliminating the need to redo a scan if the scanned data differs from the image that you want to save. What's more, you can scan to up to three outputs concurrently.

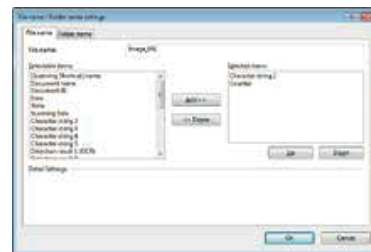
## Intuitive control panel

Start and stop scanning, check display messages and make selections using the scanner's control panel. The button configuration is ergonomically designed to make job execution an easy endeavour. The Job key allows the operator to select from up to 99 pre-registered scan jobs.



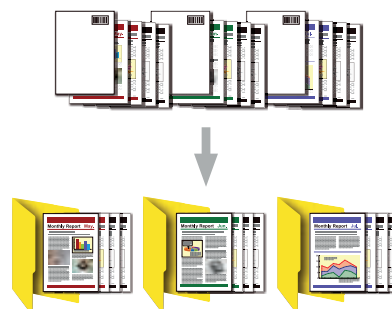
## Automatic sorting of varying document types

Sort a variety of document types automatically using the batch separation function. When documents of different types are scanned at the same time, patchcode, blank page, and barcode separators specified on CaptureOnTouch will be recognised, and the documents will be sorted into groups automatically.



## Automatic file name generation based on content

Use the naming scheme function to automatically generate file names based on the content of the documents. Select naming items to add information – such as document names, document IDs, dates, and custom character strings – to the file names. The order in which the naming items are inserted can also be specified.



## Save batches of scanned documents to different locations

Save documents grouped via the batch separation function to different folders based on document type. Once the save conditions are configured and the destination folders are created, documents of the same type will be saved to the appropriate locations on subsequent occasions.

# WIDER-RANGE SUPPORT FOR FILE FORMATS AND PDF TYPES

PNG

JPEG

TIFF

BMP

PPTX

PDF

## Support for six different file formats

A wide range of file formats are supported, including PDF, JPEG, TIFF, BMP, PNG and PowerPoint. The compression level can be specified for JPEG and TIFF files, and PDF and TIFF files can be specified as multi-page or single page.

## Variety of options for PDF creation

Use the various available option settings to create PDF files that are suited to your specific needs. High-compression PDF uses Canon's own high-compression technology to reduce data size. Searchable PDF adds text information to files via OCR processing to allow for more efficient data searching. PDF/A is an ISO-standardised format ideal for long-term data storage. Finally, PDF security settings allow you to protect documents using passwords and user authorisation.

High-compression

Searchable

PDF/A

Security

# ADVANCED FEEDING AND DIVERSE IMAGE PROCESSING FOR ENHANCED PRODUCTIVITY

## ADVANCED IMAGE PROCESSING

### Active threshold



Original

ON

### Colour dropout/enhancement



Colour document

Image with red drop-out set (red filtered)

### Remove binder/punch hole

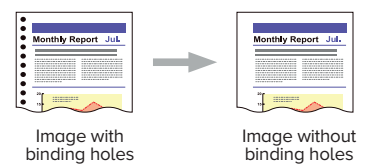
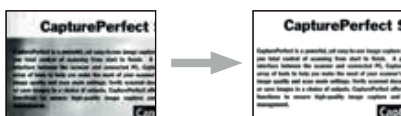


Image with binding holes

Image without binding holes

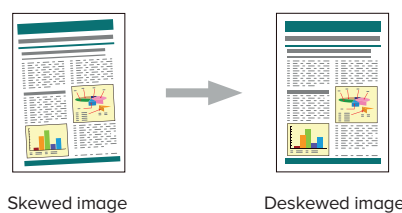
### Prevent bleed through/remove background



Original

ON

### Deskew



Skewed image

Deskewed image

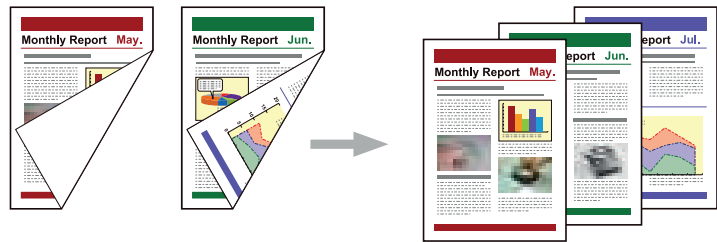
## CONVENIENT DOCUMENT PROCESSING

### Batch separation

In addition to saving the scanned images of a stack of documents placed on the scanner's ADF to a single file, you can use the batch separation function to enable automatic sorting of the scanned images.

You can insert patch code sheets in document stacks to act as separators, or use various other conditions, such as counters, barcodes, blank sheets and the front sides of documents, for batch separation.

### Skip blank page



Two-sided documents with a blank side

Images with blank page skipped

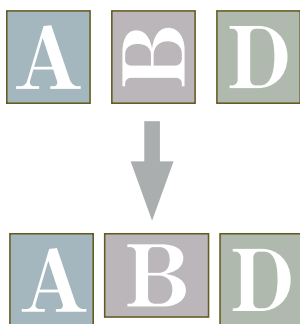
### Barcode module and 2D code module

A barcode module and 2D code module are included in the bundled software. Installing the barcode module and 2D code module allows the ISIS/TWAIN driver to recognise barcodes and 2D codes that are printed on scanned documents.

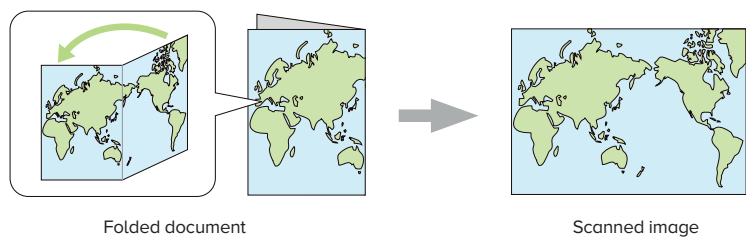
### MultiStream™



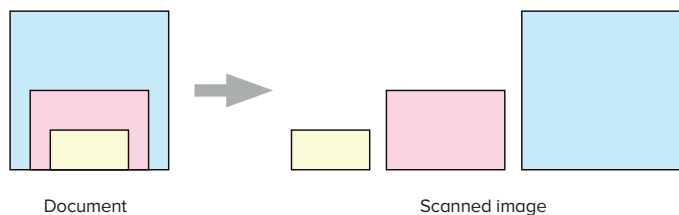
### Text orientation detection



### Folio

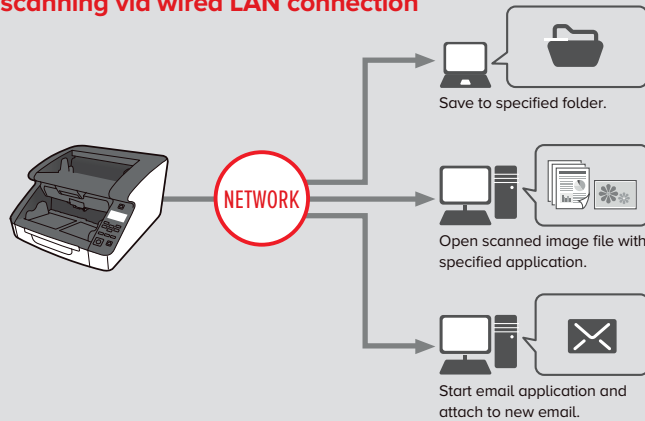


### Automatic page size detection



# ADVANCED HARDWARE PROCESSING CAPABILITIES – CONVENIENT NETWORK FUNCTIONALITY

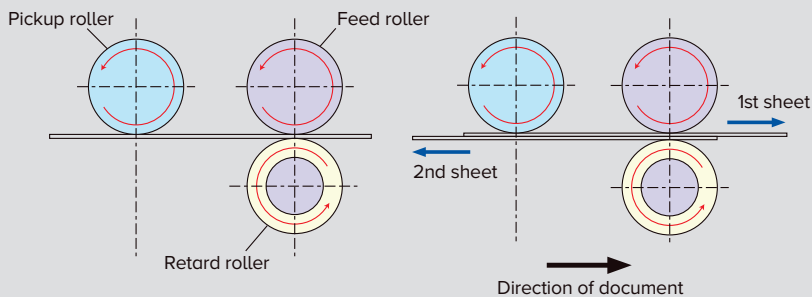
## Network scanning via wired LAN connection



Share a single scanner via a network to perform scanning tasks efficiently. Select any connected computer from the scanner's operation panel and perform scanning. Scanning can also be executed from any computer sharing the scanner

via the network. You can save scanned data to specified storage locations, attach scanned data to emails for sending, and perform various scanning operations according to the scan settings configured on each computer.

## Reliable paper feeding with built-in ADF



Canon's revolutionary feeding mechanism with retard roller achieves highly reliable page separation.

A high-capacity automatic document feeder allows for fast, unattended scanning of document batches.

## Add-on

### Flatbed Scanner Units



Flatbed Scanner Unit 201 (A3 size)



Flatbed Scanner Unit 102 (A4 size)

When you need to scan documents that aren't suitable for an automatic feeder, you can use the optional Flatbed Scanner Units 201/102. They can be easily attached via a USB cable and are designed to work seamlessly alongside this range of scanners.

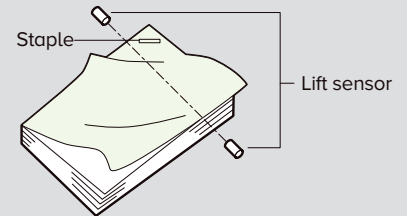
### Imprinter Unit

Use the optional Imprinter Unit to imprint text strings onto scanned document pages. The Imprinter Unit can be mounted on the scanner and used with an ink cartridge installed.

### Carrier Sheet

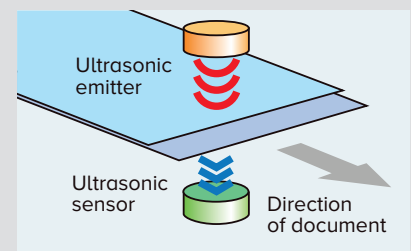
Use the optional Carrier Sheet to prevent damage to documents to be scanned or to prevent dirtying of the rollers and feed path when scanning carbon paper, for example.

## Staple detection



Canon's staple detection feature automatically halts the scanning process if an unremoved staple is found, as staples can cause scanning errors that compromise the document or damage the machine.

## Ultrasonic double feed detection



Ultrasonic sensors detect the gap between overlapping pages and prevent multiple pages from being fed together, reliably ensuring that each page of a document is scanned.

## Equipped with new CIS and DR processor



High-speed scanning is achieved via the adoption of a new CIS with maximum speeds of up to 140 sheets/280 faces per minute. The DR processor makes high-speed, high-quality image processing possible.

## White Platen Roller

Use the optional White Platen Roller to obtain a white background in scanned images.

# STABLE FEEDING OF DIVERSE DOCUMENTS VIA ADVANCED FEEDING AND TRANSPORT PERFORMANCE

## High-speed scanning and high-capacity feeding

	B & W and Colour Speed		Automatic Document Feeder
	Simplex	Duplex	
DR-G2140	140 ppm	280 ppm	500 sheets
DR-G2110	110 ppm	220 ppm	500 sheets
DR-G2090	90 ppm	180 ppm	300 sheets

Landscape A4/LTR sized sheets at 200 dpi.

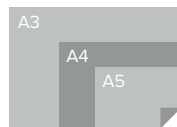
The DR-G2140 is capable of scanning up to 500 sheets at one time at 140 sheets/280 faces per minute.

This drastically reduces the amount of time required for scanning and processing, and boosts productivity.

## Diverse document size feeding



The DR-G2140/DR-G2110/DR-G2090 scanners deliver smooth, jam-free feeding of documents in mixed batches and non-standard documents ranging in size from business card size to A3 (11 x 17 in.)\*. Active Torque Control adjusts roller torque to accommodate otherwise difficult-to-feed paper types, such as especially thin or thick documents. Three separation modes are available to enable scanning of thin or coated paper types that were previously difficult to feed.



A3 / A4 / LTR / A5



**Folded document**  
(Folded A1 (lengthwise) sized document can be also processed)



**Long document**  
up to 5,588 mm (220 in.)  
(Up to 3,000 mm (118.1 in.)  
for the DR-G2090)



Post card



Business card

## Manual feed mode



Manual feed mode allows you the option of manually loading sheets of a document for processing.

## Large-capacity feed tray with 3-step height adjustability



Lowest position  
(500 sheets)



Middle position  
(300 sheets)



Highest position  
(100 sheets)

Select from one of three positions for the feed tray based on the number documents to be scanned. The tray positions support approximately 500 sheets, 300 sheets and 100 sheets respectively (the DR-G2090 supports up to 300 sheets).

\* Up to A1 594 mm x 841 mm (23.4 x 33.1 in.) using Folio scanning method and Long Document Mode DR-G2140/DR-G2110: maximum length of 5,588 mm (220 in.), DR-G2090: maximum length of 3,000 mm (118.1 in.)

# DR-G2140/G2110/G2090 SPECIFICATIONS

Type	Desktop sheet-fed scanner		
Document feeding	Automatic or manual sheet feeding		
Document size	Width:	50.8–305 mm (2.0–12.0 in.)	
	Length:	70–432 mm (2.8–17.0 in.)	
	Long Document Mode:	DR-G2140	DR-G2110
		Up to 5,588 mm (220 in.)	DR-G2090
			Up to 3,000 mm (118.1 in.)
Document thickness and weight	Continuous Feeding:	20–209 gsm, 0.04–0.25 mm (5–56 lb. bond)	
	Non-Separation Mode:	20–255 gsm, 0.04–0.3 mm (5–64 lb. bond)	
Feeding capacity		DR-G2140	DR-G2110
		48 mm stack or 500 sheets of 80 gsm (20 lb. bond)	
			DR-G2090
		300 sheets of 80 gsm (20 lb. bond)	
Scanning element	3-line CMOS CIS		
Light source	LED (Red, Green and Blue)		
Scanning side	Simplex/Duplex		
Scanning modes	Black and White, Error Diffusion, Advanced Text Enhancement, Advanced Text Enhancement II, Active Threshold, 256-level Grayscale, 24-bit Colour, Auto Colour Detection		
Scanning resolutions	150 x 150 dpi, 200 x 200 dpi, 240 x 240 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi		
Scanning speed* (A4/LTR, 200 dpi)		DR-G2140	DR-G2110
	Grayscale: Portrait	110 ppm (Simplex)/220 ipm (Duplex)	90 ppm (Simplex)/180 ipm (Duplex)
	Landscape	140 ppm (Simplex)/280 ipm (Duplex)	110 ppm (Simplex)/220 ipm (Duplex)
	Colour: Portrait	110 ppm (Simplex)/220 ipm (Duplex)	90 ppm (Simplex)/180 ipm (Duplex)
	Landscape	140 ppm (Simplex)/280 ipm (Duplex)	110 ppm (Simplex)/220 ipm (Duplex)
Interface		DR-G2140	DR-G2110
		USB3.1 Gen1, 10Base-T/100Base-T/100Base-Tx/1000Base-T	
			DR-G2090
		USB3.1 Gen1	
Scanner driver	ISIS/TWAIN		
Useful functions	Job Function, Ultrasonic Double-Feed Detection, Staple Detection, Text Enhancement, Dropout and Colour Enhancement, Auto Page Size Detection, 3-D Colour Correction, Image Rotation, Skip Blank Page, Edge Emphasis, Moiré Removal, Prevent Bleed Through/Remove Background, Contrast Adjustment, Shading Correction, Brightness Adjustment, Deskew, Border Removal, Scanning Side Selection, Scan Area Settings, Addon Settings, Text Orientation Recognition, Punch Hole Removal, Folio Scan, Unnecessary Dots Removal, Notch Removal, Background Smoothing, Character Emphasis, Count Only Mode, Verify Scan, Rapid Recovery System, MultiStream™, Long Document, Manual Feeding, Separation Hi, Separation Low, Non-Separation		
Power requirements	AC 100 V (50/60 Hz), AC 120 V (60 Hz), AC 220–240 V (50/60 Hz)		
Power consumption	66.5 W (Scanning), 3.5 W (Sleep mode)		
Operating environment	Temperature: 10–35°C (50–95°F), Humidity: 20–80% RH		
Dimensions (W x D x H)	Feed trays closed: 480 x 569 x 315 mm (18.9 x 22.4 x 12.4 in.)		
Weight	Approx. 25.0 kg (55.1 lb.)		
Options/Consumables	Flatbed Scanner Unit 201/102, Imprinter Unit, Carrier sheet, White Platen Roller, Exchange roller kit, Separation Pads, Ink Cartridge, Cleaning Sheet		

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

## For information and services contact

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 Canon New Zealand Ltd 0800 222 666 [canon.co.nz/business](http://canon.co.nz/business)

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