imageRUNNER
A D V A N C E
8105 / 8095

Canon
Delighting You Always

HIGH PERFORMANCE

HIGH SPEED

HIGH VOLUME

**LIGHT PRODUCTION
SOLUTIONS**

Business *Can* be simple

imageRUNNER ADVANCE

EXCEPTIONAL POWER

- Advanced imageCHIP system architecture
- 80GB HDD standard; up to 250GB HDD
- 1.5GB RAM standard; 2GB RAM maximum

IMPRESSIVE SPEED

- Up to 105 ppm (8105), 95 ppm (8095) (A4 size)
- Up to 200/100 ipm single-pass duplex scanning at 300 dpi (BW/Color)

FLEXIBLE IN-LINE FINISHING OPTIONS

- Multi-position stapling, 2-hole and 3-hole punching, booklet-making, booklet trimming (face), professional punching
- Z-fold, C-fold, Accordion Z-fold, Half-fold, Post-process document insertion

HIGH-VOLUME PAPER HANDLING

- Up to 7,700 sheets maximum paper capacity
- 52 gsm to 220 gsm [drawers, paper deck (A4 size)]
- 52 gsm to 256 gsm [bypass, paper deck (up to 13" x 19")]

WORKFLOW SOLUTIONS

- imageRUNNER ADVANCE Essentials
- Advance box document sharing solution
- Standard UFR II Print
- Standard Color Universal Send
- Adobe Postscript® 3 and Adobe PDF formats
- Scan/print via USB
- imagePASS controller

STRONG ENVIRONMENTAL FOCUS

- ENERGY STAR® qualified
- 220V/10A for low energy consumption
- Reduction of CO_2 emissions in manufacturing process
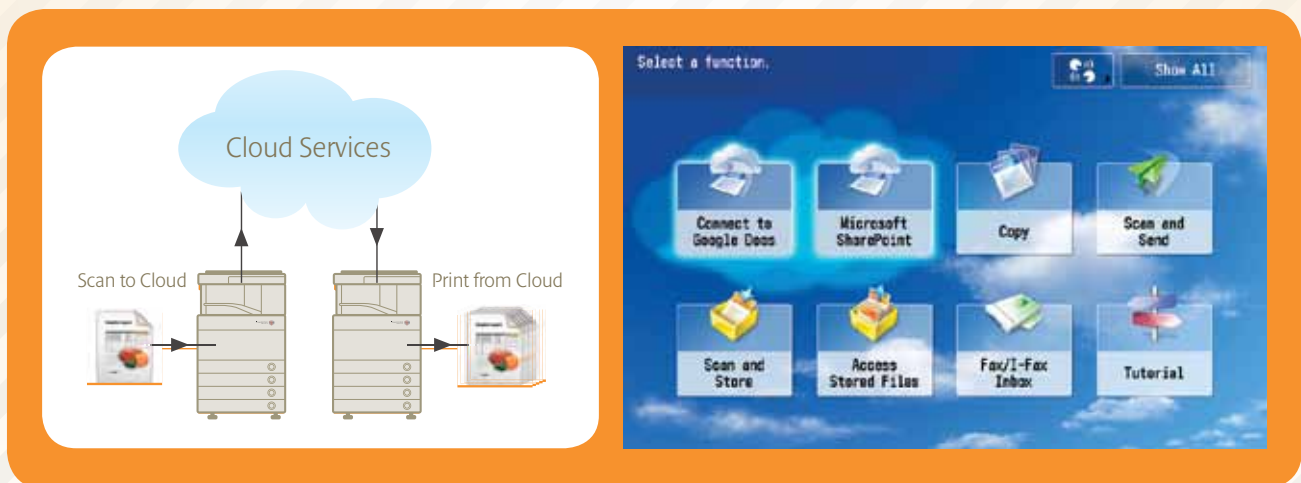- Exceeds EU RoHS Directive standards

8105
8095

imageRUNNER ADVANCE technology
REACHES NEW HEIGHTS

Cloud computing is gaining acceptance with more and more companies across the globe. Businesses today look to Cloud computing for on-demand scalability. Costly infrastructure, setups and administrative burden are a thing of the past with proper implementation of Cloud Computing technology.

Canon's imageRUNNER ADVANCE maximizes office productivity by allowing users to access Cloud services right from imageRUNNER ADVANCE devices. Users can scan and store their paper documents, or choose to retrieve and print their documents stored in their Cloud service.

Scan-to-Cloud and Print-from-Cloud is simple with Canon's imageRUNNER ADVANCE - all that is needed is an imageRUNNER ADVANCE multifunctional device (MFD); no drivers, personal computers or additional software is required. With the Cloud Scan and Cloud Print support of Google™ Docs and Microsoft™ SharePoint Online, imageRUNNER ADVANCE systems are the perfect way to scan and print through Cloud services.

Cloud Services

Scan to Cloud   Print from Cloud

Select a function.   Show All

Connect to Google Docs | Microsoft SharePoint | Copy | Scan and Send

Scan and Store | Access Stored Files | Fax/I-Fax Inbox | Tutorial

Important Note:
* Machine upgrades may be required to support Google™ Docs and Microsoft™ SharePoint Online Cloud services via the imageRUNNER ADVANCE devices. Internet connectivity is required.
** Users of Google™ Docs and Microsoft™ SharePoint Online Cloud services are advised to evaluate the benefits and risks of Cloud services and their data security needs.
*** Availability of the Google™ Docs and Microsoft™ SharePoint Online Cloud services on the imageRUNNER ADVANCE devices varies by country or region. For more information, please contact your local Canon Sales Office.

WORKFLOW SIMPLIFIED
From start to finish, the imageRUNNER ADVANCE 8105/8095 systems streamline every part of your production process. Powerful tools and centralised control let operators smoothly monitor jobs from prepress to finishing. And complicated or repeated tasks can be performed with the touch of s single button.

LESS IS CONSIDERABLY MORE
Now with a reduced footprint and the convenience of power requirements, there high-volume, high-productivity black-and-white models are ideal for large businesses, sizable workgroups within an enterprise, or print service providers with space constraints.
The Canon imageRUNNER ADVANCE 8105/8095 systems deliver the next-generation technologies, integrated solutions, and advanced cappbilities that will make your growth strategy a profitable reality.

Designed to GROW YOUR BUSINESS.

ALL WITH CANON'S
ADVANCED
TECHNOLOGIES

Main Menu
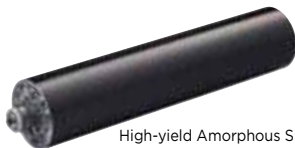Customize the number, size, and layout of the function buttons, and select a background.

Quick Menu
Combine and access commonly performed tasks with just one button.

7,700-sheet maximum paper capacity

High-yield Amorphous Silicon Drum

POWERED FOR PERFORMANCE

Thanks to Canon's Advanced imageCHIP System architecture, you can achieve the exceptional processing speed your work demands. Two processors work together to deliver outstanding connectivity and quality.

Black-and-white documents are output at amazing speeds of up to 105 ppm (8105), and 95 ppm (8095) (A4 size). And the single-pass duplex color scanner converts paper documents into black-and-white or color digital files at up to 200/100 ipm at 300 dpi.

SIMPLE, INTUITIVE OPERATION

The interface is designed for maximum ease-of-use. Functions are quickly initiated with clearly identifiable on-screen buttons that can be organised to fit the wat you work. And users will appreciate the ability to adjust and tilt the upright panel to a comfortable position.

By streamlining steps, the imageRUNNER ADVANCE 8105/8095 models help you compose and manage print jobs and generate output more rapidly. Repetitive or complicated task can be assigned to a single button on the interface, speeding workflow and improving accuracy. The minutes saved at every step add up to big increase in effectiveness and cost savings.

KEEPS RUNNING

Slowdowns and interruptions cost time and money. That's why Canon designed the imageRUNNER ADVANCE 8105/8095 systems with durable parts and a range of automated features that minimise downtime and maximise productivity.

The amorphous silicon drum is engineered for high-volume demands and increased longevity with an exceptionally high yield of up to six million impressions. And with remote notification of low supply of inventory, you're always prepared. Even better, toner and paper can be replenished on the fly – no need to interrupt a job.

A paper capacity of up to 7,700 sheets ensures that long jobs can run without having to stop for paper replenishment. If the correct paper size or stock is temporarily unavailable, the system can hold that job in the queue and begin the next job without delay. And, when you're printing on three tabs from a bank of five, the other two can automatically be kicked out to a separate tray.
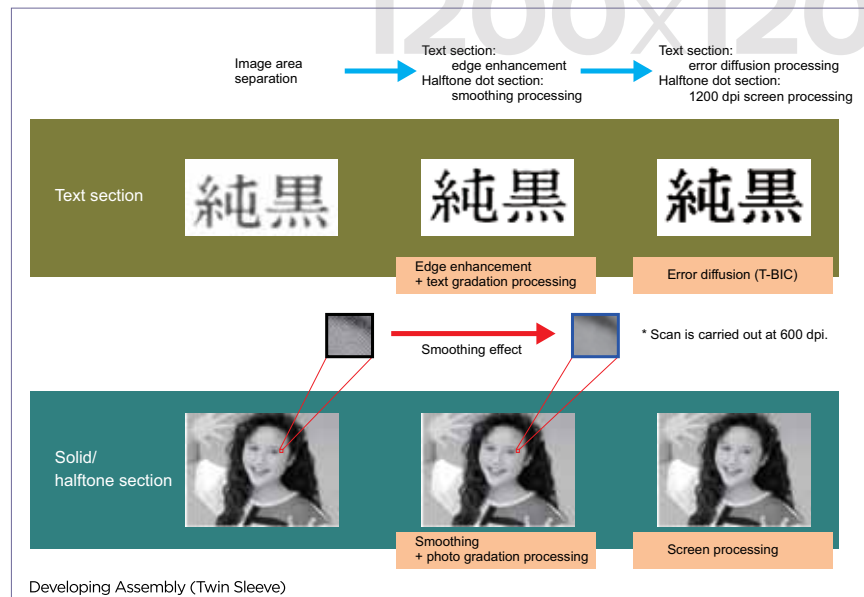
INTELLIGENT INNOVATION

Canon's noted expertise in digital imaging and its ongoing commitment to R&D have resulted in a range of advanced technologies that deliver outstanding image quality time after time. Here are a few features that make the Canon imageRUNNER ADVANCE 8105/8095 systems stand out.

EXCEPTIONAL IMAGE QUALITY

Canon's next-generation imaging systems deliver stunning black-and-white image quality with astonishing speed. True 1200 x 1200 dpi print resolution produces fine lines and crisp text, even at small font sizes.

With 256 tonal gradations, halftones are rendered in rich shades, from the lightest gray to the deepest black. To ensure optimum quality throughout the run, Auto Gradation Adjustment set densities at their idea levels, while Canon's unique twin-sleeve technology evenly distributes toner across the page. Even more remarkable, those technologies achieve spectacular results without sacrificing productivity.

1200x1200dpi

Image area separation

Text section:
edge enhancement
Halftone dot section:
smoothing processing

Text section:
error diffusion processing
Halftone dot section:
1200 dpi screen processing

Text section

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Edge enhancement
+ text gradation processing

Error diffusion (T-BIC)

Smoothing effect

* Scan is carried out at 600 dpi.

Solid/
halftone section

Smoothing
+ photo gradation processing

Screen processing

Developing Assembly (Twin Sleeve)

pO TONER

Canon's new pO (precise Output) toner faithfully reproduces detailed images and text. Across the page, solids print with an impressive evenness. Halftones and patterns retain their details, displaying smooth gradations. With our twin-sleeve technology, toner is evenly distributed across the page and throughout the print run. And in line with Canon's environmental focus, this toner helps reduce energy consumption through its ability to fuse at low temperatures.

PRECISE REGISTRATION

Accurate registration is achieved with impressive precision in the imageRUNNER ADVANCE 8105/8095 systems. A new cassette design ensures that every page enters the printer at the same location, and manual adjustment features offer each user greatly expanded control over alignment. For duplex documents, front-to-back registration can be precisely matched within one millimetre to help prevent images from being misaligned and to ensure a professional result.

QUALITY
PRODUCTIVITY
VERSATILITY

PAPER FOLDING UNIT
• Z-fold, C-fold, Half-fold, and Accordion Z-fold

FINISHING OPTION

Staple Finishing

2 and 3 Hole Punching

Z-Fold

C-Fold

Half-Fold

Accordian Z-Fold

BOOKLET FINISHER
• 3-tray, 4,250-sheet capacity
• 100-sheet, multiposition stapling
• Up to 256 gsm plain, heavy, and tab paper
• 20-sheet saddle-stitching up to 13" x 19.2"
• V-fold up to 5 sheets without staple

INTERNAL BOOKLET TRIMMER
• Face trim

INTERNAL PUNCHER UNIT
• 2- and 3-hole punch

PROFESSIONAL PUNCHER
• Includes Integration Unit
• Up to 216 gsm paper
• A4-sized only, tab paper
• Supports various die sets
• Highly durable die-kit sets

Designed to ADVANCE YOUR BUSINESS.

Now light-production environments can enjoy the powerful functionality previously reserved for large production facilities.

STAPLER FINISHER
• 3-tray, 4,250-sheet capacity
• 100-sheet, multiposition stapling
• Up to 256 gsm heavy, plain, and tab paper

STANDARD PAPER CAPACITY
4,200-sheet total standard paper capacity:
• 2 x 1,500-sheet paper drawers (A4 size)
• 2 x 550-sheet paper cassettes (up to 13" x 19.2")
• 1 x 100-sheet multipurpose tray (up to 13" x 19.2")

DOCUMENT INSERTION UNIT
- Insert preprinted sheets
- Up to 256 gsm Index, plain, heavy, and tab paper
- Up to 13" x 19.2"
- Two trays
- 400-sheet total capacity

SINGLE-PASS DUPLEX DOCUMENT FEEDER
- 300-sheet capacity
- Duplex scan speed up to 200/100 ipm (BW/Color) at 300 dpi

USER INTERFACE
- 10.4" TFT high-resolution touch-screen
- Tilt-and-swivel capability
- Customizable UI screen

MEMORY MEDIA
- Scan to or print from USB thumb drive or memory media
- Optional multimedia reader/writer supports SD, SDHC, CompactFlash, Memory Stick, Microdrive

KEYBOARD
- External keyboard (optional)
- Connects via USB interface

PRINT VERSATILITY
- UFR II (standard)
- PCL 5e/6 (optional)
- Adobe PostScript 3 (optional)
- imagePASS controller (optional)

POD DECK LITE
- 3,500-sheet capacity (80 gsm)
- 13"x 19.2" maximum paper size
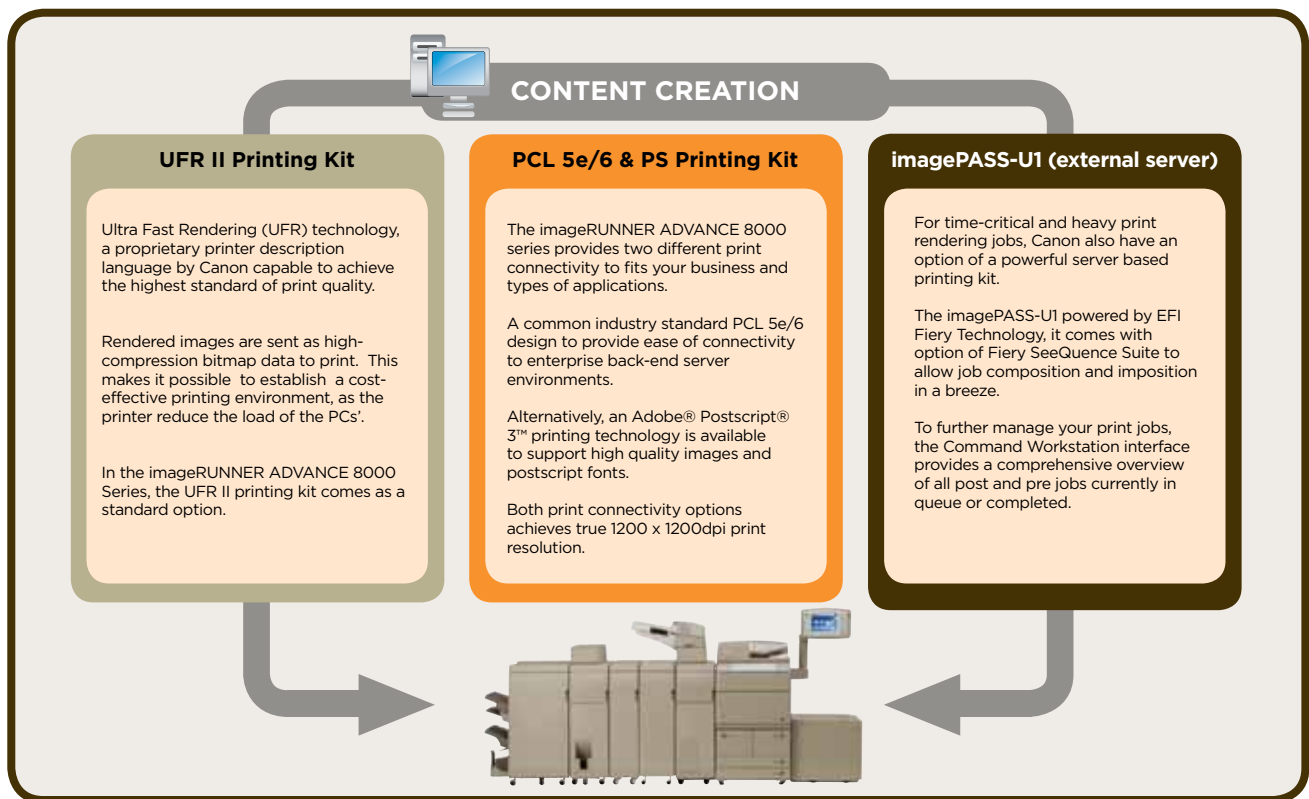- 52 gsm to 256 gsm Cover, plain and heavy

PAPER DECK UNIT
- 3,500-sheet capacity (80 gsm)
- 8.5" x 11" maximum paper size
- 52 gsm to 220 gsm Cover, plain and heavy

Simple, streamlined, and sophisticated operation.
WORKFLOW SOLUTIONS
that meet your business goals.

Canon offers three major print connectivity options that you can choose from based on your specific printing needs. These include Canon Unique UFR II, which is standard on the imageRUNNER ADVANCE 8000 series, and PCL and Postscript, which are optional.

Additionally, PDF/XPS direct printing and barcode printing options are available to further expand the capacity of these print languages.

CONTENT CREATION

UFR II Printing Kit

Ultra Fast Rendering (UFR) technology, a proprietary printer description language by Canon capable to achieve the highest standard of print quality.

Rendered images are sent as high-compression bitmap data to print. This makes it possible to establish a cost-effective printing environment, as the printer reduce the load of the PCs'.

In the imageRUNNER ADVANCE 8000 Series, the UFR II printing kit comes as a standard option.

PCL 5e/6 & PS Printing Kit

The imageRUNNER ADVANCE 8000 series provides two different print connectivity to fits your business and types of applications.

A common industry standard PCL 5e/6 design to provide ease of connectivity to enterprise back-end server environments.

Alternatively, an Adobe® Postscript® 3™ printing technology is available to support high quality images and postscript fonts.

Both print connectivity options achieves true 1200 x 1200dpi print resolution.

imagePASS-U1 (external server)

For time-critical and heavy print rendering jobs, Canon also have an option of a powerful server based printing kit.

The imagePASS-U1 powered by EFI Fiery Technology, it comes with option of Fiery SeeQuence Suite to allow job composition and imposition in a breeze.

To further manage your print jobs, the Command Workstation interface provides a comprehensive overview of all post and pre jobs currently in queue or completed.

DIRECT PRINT KIT FOR PDF/XPS
The Direct Print Kit allows users to print to PDF and XPS (XML Paper Specification) files directly to the imageRUNNER ADVANCE system through the Web Based Remote interface or USB media drives
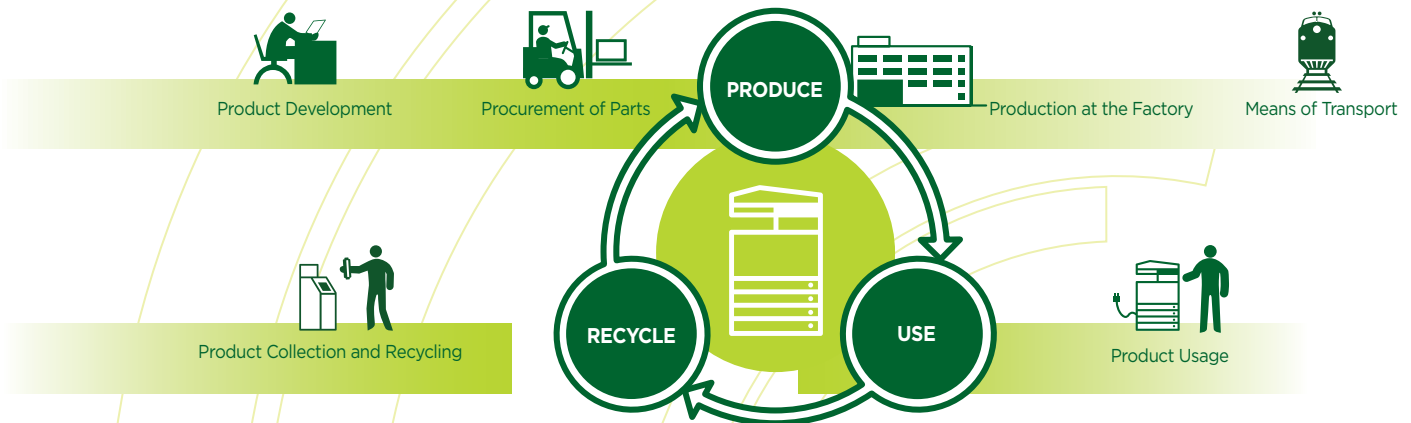
BARCODE PRINTING KIT
The optional Barcode Printing Kit-D1 is available for printing barcodes in SAP R/3 environments, other Enterprise Planning (ERP) software, as well as Windows-based applications. It supports more than 50 barcode formats in 2 types of barcode systems, 1D and 2D barcodes, as well as Euro symbols, safety, electronic, and manufacturing symbol.

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workflow

Reducing Our Environmental Footprint
—AND YOURS

Product Development | Procurement of Parts | **PRODUCE** | Production at the Factory | Means of Transport

RECYCLE | **USE**

Product Collection and Recycling | Product Usage

REDUCTION OF CO_2

Through its Life Cycle Assessment (LCA) System, Canon has lowered CO_2 emissions by more than 30% over previous models by focusing on each stage of the product life cycle, including manufacturing, energy use, and logistics. These products are designed to be more compact, with less packaging to make transportation more efficient.

ECO-FRIENDLY DESIGN

Canon is making a difference through creative ecological thinking. The imageRUNNER ADVANCE models employ certain components fabricated with 100% recycled plastic from retired products. Canon's innovative green technologies also include bio-based plastic, a plant-derived compound that replaces certain petroleum-based plastic parts.

A GREENER WAY TO WORK

A visionary company, Canon knows that the world and the workplace need a greener workflow. The imageRUNNER ADVANCE Series delivers just that. Now light production environments can seamlessly share and distribute digital documents across the globe. And because you can preview files prior to printing, changes can be made before committing toner to paper to avoid print errors.

GREATER ENERGY EFFICIENCY

From the inside out, the imageRUNNER ADVANCE Series is designed for high energy efficiency and stellar performance. The combination of Canon's fusing technologies and new pQ toner helps to reduce overall energy consumption by minimizing heat and power requirements. The Series' new duplex color image reader captures superb-quality images at impressive speeds while using less energy than ever. Canon's new Induction Heating Fusing System reduces power use in digital multifunction systems by up to an astonishing 30% over previous models.* And when systems are in Sleep Mode, power consumption is 1.5W or less. With advanced technologies present in each model, the Series meets ENERGY STAR® standards.

REDUCING POLLUTION

All suppliers are required to meet Canon's stringent Green Procurement policy and environmental terms. This helps Canon exceed the toughest global standards set by the EU RoHS Directive, which requires the restriction of six specified hazardous substances. Canon currently restricts the use of 24 such substances.

PRODUCT SPECIFICATION

imageRUNNER ADVANCE 8105 / 8095

MAIN UNIT		
Type		Console
Maximum Original Size		A3
Copy Sizes	Casettes 1 & 2	A4
	Casettes 3 & 4	A5R - 330 x 483mm,
		Free size 139.7 x 182mm to 330.2 x 487.7mm
	Stack bypass	A5R - 330 x 483mm
		Free size 100 x 148mm to 330.2 x 487.7mm
Reading		600dpi x 600dpi
Copying		1200dpi x 1200dpi
Printing		1200dpi x 1200dpi 256 gradations

Copy/Print Speed		A4	A3	SRA3
	iR-ADV 8105	105	54	50.4
	iR-ADV 8095	95	50	45.6

Enlargement / Reduction	Zoom	25-400%
	Fixed	25-400% (25%, 50%, 71%, 100%, 141%, 200%, 400%)
First copy time		2.7sec or less
Warm-Up Time		less than 1 minute
Multiple Copies/Prints		1 to 9,999 sheets
Duplexing		Standard automatic stackless
Paper weight	Cassette	52 to 220 gsm, Stack Bypass: 52 to 256 gsm
	Duplex	52 to 220 gsm
Paper Capacity	Standard	1500 sheets x2 cassettes (80 gsm)
		550 sheets x2 cassettes (80 gsm)
	Stack Bypass	100 sheets (80 gsm)
	Optional Paper Deck	3,500 A4 sheets (80 gsm)
	POD Deck Lite	3,500 sheets (80 gsm)
	Total capacity	7,700 sheets
Processor Speed		1.2GHz
Memory		1.5GB
Hard Disk Drive		Standard 80GB, expandable to 250GB
Display		10.4″ TFT SVGA touchscreen
Interface		Ethernet (100BaseT/100Base-TX/10Base-T), Wireless LAN(IEEE802.11b/g, Optional), USB2.0
Network Protocols		TCP/IP* (LPD/Port9100/WSD/IPP/IPPS/SMB/FTP), IPX/SPX(NDS, Bindery), AppleTalk. *IPv4/IPv6 support
Power Supply		220-240V AC, 50/60Hz 10A
Power Consumption		2.4 kW max.
Dimension	(W x D x H)	1,170 x 770 x 1,252mm
		(including Duplex Color Image Reader Unit-C1 & control panel)
Weight		242kg (with Duplex Color Image Reader Unit-C1 & control panel)

PRINTING		
Page Description Language(s)		UFRII (Standard on all models), PCL5e/6 (Optional with Canon PCL Printer Kit-AH1), Adobe Postscript 3 (Optional with Canon PS Printer Kit-AH1)
Resolution		1200dpi x 1200dpi, 600dpi x 600dpi
Fonts	PCL fonts	Roman93, Bitmap10, OCR2,
	PS fonts	Roman136
Supported OS		UFRII, PCL & PS3: Windows 2000/XP/Server2003/Vista/Server2008/Win7/Server2008R2 UFRII & PS3 also supports Mac OS X (10.4.9 or later) Mac-PPD: Mac OS 9.1 or later, Mac OS X (10.2.8 or later)

FIERY-BASED PRINTING

Name	imagePASS-U1 (optional)
PDL	Adobe Postscript 3™, PCL6 / PCL5e
Resolution	1200dpi x 1200dpi, 600dpi x 600dpi
Memory	2GB
Hard Disk	80GB
CPU	Intel® Core™ Duo T2500, 2.0GHz
Fonts	PS: 136, PCL: 113
Supported OS	Windows 2000 SP4 (Printer driver only)/XP(SP3)/ Server2003(SP2)/Server2008(SP2)/Vista(SP2). Windows 7, Mac OS X 10.4 or later Ethernet 1000Base-T/100Base-TX/10Base-T), USB, D-sub 15-pin connector)
Network Protocol	TCP/IP (LPD/Port9100/IPP/SMB/FTP), ATP/ DDP(AppleTalk)

DOCUMENT FEEDER

Colour Image Reader Name		Duplex Color Image Reader Unit-C1 (optional)
Paper size		A3, A4, A4R, A5, A5R
Paper weight	Single Sided Original	38 to 220 gsm
	Double Sided Original	50 to 220 gsm
	Colour Original	64 to 220 gsm
Max. Number of originals		300 sheets (80 gsm)
Scanning speed (max)		
	Copy (Single side)	A4 120 ipm 600dpi (B&W),
	Scan (Single side)	A4 120 ipm 300dpi (B&W), 85 ipm 300dpi (Colour),
	Copy (Double side)	A4 120 ipm 600dpi (B&W),
	Scan (Double side)	A4 200 ipm 300dpi (B&W), 100 ipm 300dpi (Colour)
Dimension	(W x D x H)	635 x 605 x 253mm
Weight		Approx. 39.4kg

PAPER DECK UNIT-C1

Paper size		A4
Paper Weight		52 to 220 gsm
Paper Capacity		3,500 sheets (80 gsm)
Dimension	(W x D x H)	323 x 583 x 570mm
Weight		Approx. 37kg

POD DECK LITE-A1

Paper size		A4, A4R, A3, SRA3, 13" x 19.2"
Paper Weight		52 to 220 gsm
Paper capacity		3,500 sheets (80 gsm)
Dimension	(W x D x H)	601 x 621 x 570mm
Weight		Approx. 50kg

STAPLE FINISHER-D1 / BOOKLET FINISHER-D1

Number of trays		3
Tray capacity	Tray A	A4/A5R 1,500 sheets, A3/A4R/SRA3/13" x 19.2" 750 sheets
	Tray B	A4/A5R 250 sheets, A3/A4R 125 sheets SRA3/13" x 19.2" 30 sheets
	Tray C	A4 2,500 sheets, A5R 1,500 sheets, A3/A4R/SRA3/13" x 19.2" 750 sheets,
Staple position		Corner - double - Booklet (Booklet Finisher only)
Staple capacity (80 gsm)		A4: 100 sheets, A3/A4R: 50 sheets
Saddle Stitch Specifications (Booklet Finisher-D1 only)		A3, A4R, SRA3, 13" x 19.2"
Booklet Stitch Staple Capacity		20 sheets (80 gsm)
Dimension (WxDxH)	Staple Finisher	782 x 765 x 1,040mm
	Booklet Finisher	896 x 765 x 1,040mm
Weight	Staple Finisher	Approx. 61kg
	Booklet Finisher	Approx. 108kg

INNER BOOKLET TRIMMER-A1
(requires Booklet Finisher-D1)

	One Edge Trmming (Fore-edge)
Trim Width	2 - 20mm
Trim Thickness	Up to 20 sheets (including cover)
Acceptable Paper Weight	60 to 256 gsm
Weight	Approx. 32kg

DOCUMENT INSERTION UNIT-K1

Number of trays		2
Paper Size		A3, A4, A4R, SRA3, 13" x 19", Free size (182 x 182mm to 330.2 x 487.7mm)
Paper Weight		52 to 256 gsm
Paper Capacity		200 sheets x 2 tray (80 gsm)
Dimension	(W x D x H)	746 x 793 x 1,407
Weight		Approx. 61kg

PAPER FOLDING UNIT-H1

Z-Fold		Paper Size A3, A4R Paper Weight 52 to 105 gsm
C-Fold		Paper Size A4R Paper Weight 52 to 105 gsm
Letter fold out		Paper Size A4R Paper Weight 52 to 105 gsm
Double Parallel		Paper Size A4R Paper Weight 52 to 90 gsm
Half Fold		Paper Size A4R Paper Weight 52 to 105 gsm
Output Capacity		C-Fold and Letter fold out 40 sheets Double parallel 25 sheets
Dimension	(W x D x H)	336 x 793 x 1,190mm
Weight		Approx. 71kg

PROFESSIONAL PUNCHER-C1

		External In-line Punch Unit
Acceptable Punch Paper Weight		75 to 216 gsm (Plain paper)
Acceptable Punch Paper Size		A4
Punch tools		Plastic Comb 21-Hole, Twin Loop 23-Hole (Round), Twin Loop 34-Hole (Round), Color Coil 47-Hole, Velo Bind 12-Hole, Loose Leaf 4-Hole Punch, Loose Leaf 2-Hole Punch, Loose Leaf 4-Hole (Swedish) Pro Click 34-Hole
Dimension	(W x D x H)	305 x 792 x 1,040 mm
Weight		Approx. 80kg

PROFESSIONAL PUNCHER INTEGRATION UNIT-B1

Dimension	(W x D x H)	250 x 792 x 1,040mm
Weight		Approx. 40kg

ADDITIONAL OPTIONS

DOCUMENT FEEDER OPTIONS
Printer Cover-B1, ADF Access Handle-A1

NETWORK OPTION
Universal Send Feature Sets: Universal Send Advanced Feature Set-E1, Universal Send Security Feature Set-D1, Universal Send Digital User Signature Kit-C1, Direct Print Kit (for PDF/XPS)-H1, Barcode Printing Kit-D1, Data Erase Kit-C1, HDD Data Encrpytion & Mirroring Kit-C2, Encrypted Printing Software-D1, Secure Watermark-B1, Web Access Software-H1, Access Management System Kit-B1, Expansion Bus-F1, Wireless LAN Board-B1, IPSec Board-B2, 2.5"/80GB HDD-C1, 2.5"/250GB HDD-D1, Removable HDD Kit-AD1, Document Scan Lock Kit-A1, Fiery-based RIP Options: SeeQuence Compose, SeeQuence Impose, SeeQuence Suite, Removable HDD Kit-B4, Paper Supply Options: Tab Feeding Attachment Kit-B1

OTHER OPTIONS
Punch unit-BG1 - 2/4 holes, BH1 - 4 holes Swedish, Utility Tray-A1, Copy Card Reader Attachment-A2, Card Reader-C1, Remote Operators Software Kit-B1, Voice Guidance Kit-F1, Multimedia Reader / Writer-A1, Serial Interface Kit-K1, Copy Control Interface Kit-A1