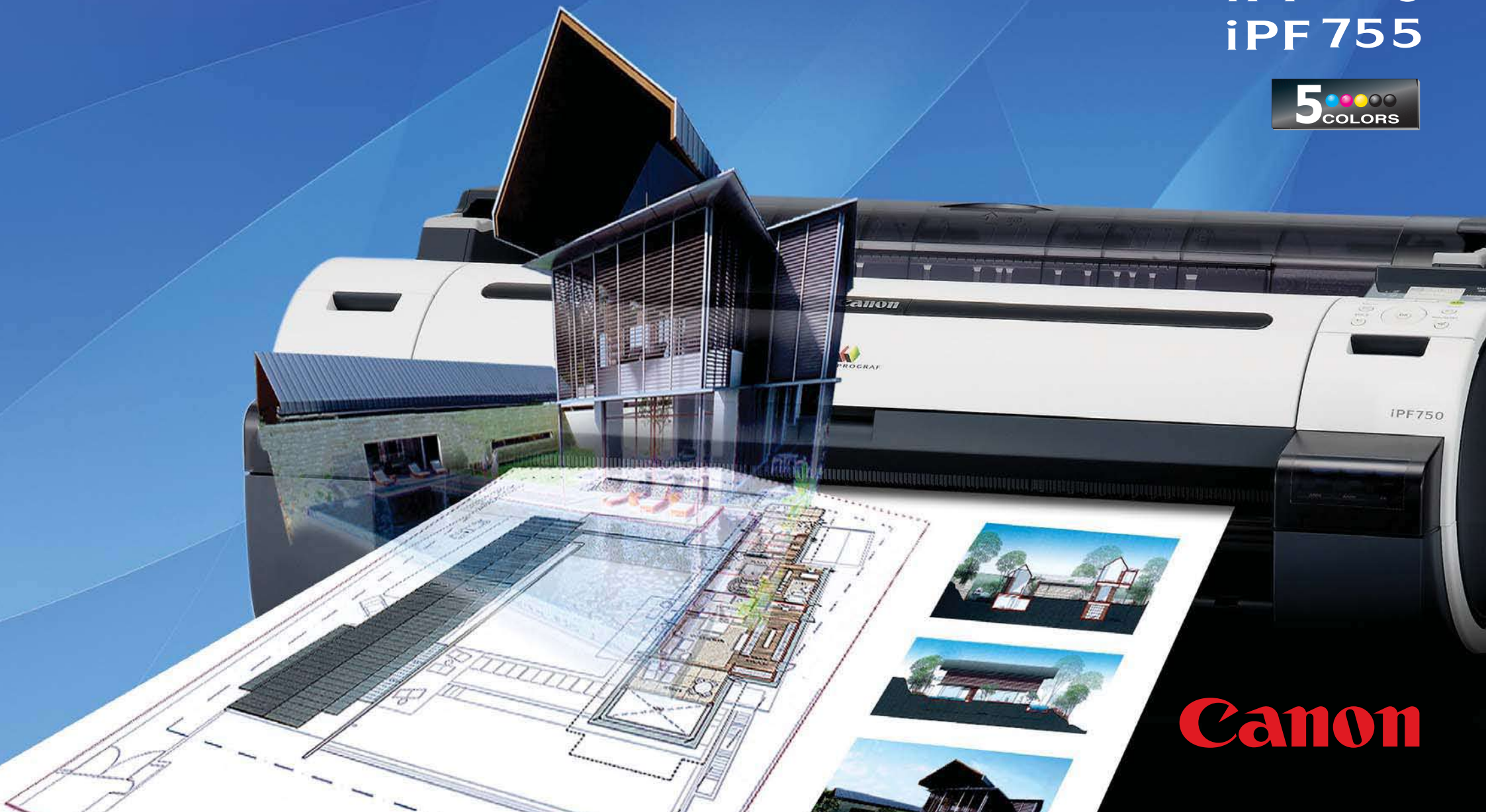**Large Format Printers**

imagePROGRAF

iPF650
iPF750
iPF755

5 COLORS

Canon

iPF650

Demonstrated ability for high definition CAD and presentation.
A multi use model that support A1 sizes.

iPF750
iPF755

High quality and high speed for CAD, GIS and 3D paths.
An AO size model that support the specific needs of design operation.

iPF650

24" **5 COLORS**

Size	Paper	Mode	Print Speed
A1	Plain paper	Draft	Approx. 28 sec.
A1 CAD	Plain paper	Draft	Approx. 30 sec.

Ease of use

130ml Ink Tank

Roll paper

Large LCD screen

HP-GL/2 HP RTL support

L-COA FINE
Full-photolithography Inkjet Nozzle Engineering

Specifications
Dye pigment reactive ink (New Magenta)
Maximum Resolution 2400 X 1200 dpi
Long prints/borderless prints
Roll paper remaining detection
Ink level detection
High Performance Cutter
Memory 256MB
Standard I/F: Network/USB 2.0
Optional I/F: IEEE1394

iPF750 / iPF755

36" **5 COLORS**

Size	Paper	Mode	Print Speed
A0	Plain paper	Draft	Approx. 46 sec.
A0 CAD	Plain paper	Draft	Approx. 48 sec.

Ease of use

130ml Ink Tank

Roll paper

HDD equipped *iPF 755

Large LCD screen

HP-GL/2 HP RTL support

L-COA FINE
Full-photolithography Inkjet Nozzle Engineering

Specifications
Dye pigment reactive ink (New Magenta)
Maximum Resolution 2400 X 1200 dpi
Long prints/borderless prints
Roll paper remaining detection
Ink level detection
High Performance Cutter
Memory 256MB
Standard I/F: Network/USB 2.0
Optional I/F: IEEE1394

Technology that reveals the beauty

High quality from the maximum 2400X1200dpi high resolution
"FINE" high density print head technology

:::FINE
Full-photolithography Inkjet
Nozzle Engineering

A "FINE" high density print head technology born out of advanced semiconductor manufacturing technology. Achieves a maximum 2400X1200dpi high resolution by being able to express ink droplets that are a miniscule 4 pl (4 billionths of a liter). You get letter quality output with no graininess.

Combining clear letters and lines and vivid colors
5 color - color dye and pigment reactive ink

Black lines and letters can be presented clearly with minimal blurring due to the reaction (reactive) of the pigment "matte black ink" and the pigment color inks. This supports a variety of applications from CAD/GIS to the office with the ability to perform the optimum image handling for each individual object of a business document or poster comprised of text, lines, graphs, drawings and pictures.

【5 color - color dye and pigment reactive ink】

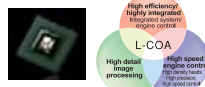|			
C Dye Cyan	**M** Dye Magenta **NEW**	**Y** Dye Yellow	**MBK** Pigment Matte black
MBK Pigment Matte black	**BK** Dye Black		

Advanced technology allows faster output

With the intelligence to rapidly handle large volumes of image data
The "L-COA" image processor

L-COA

The printer takes advantage of the equipped "L-COA" image processor to provide high speed and high precision image processing and printer control. High resolution and high speed printing is possible, thanks to the advanced accuracy of the image processor and the high density print head technology "FINE".
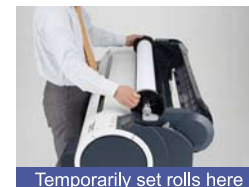
Outstanding ease-of-operation

Fully front-accessible operations for improved ease of use **NEW**

Models feature fully front-accessible operations to allow ink replacement, paper loading, and even paper jam clearing to be performed easily from the front. Eliminates the need for rear access, allowing the printer to be installed flush against the wall and offering space savings above and beyond its compact dimensions.

Fully front-accessible operation

Flush installation

Easy slide-in roll paper loading **NEW**

Features a slide-in loading system in which paper rolls are first placed on top of the printer, then slid in along guide rails. Rolls are loaded at a point easily accessible from the front of the printer for easy loading from a natural posture.
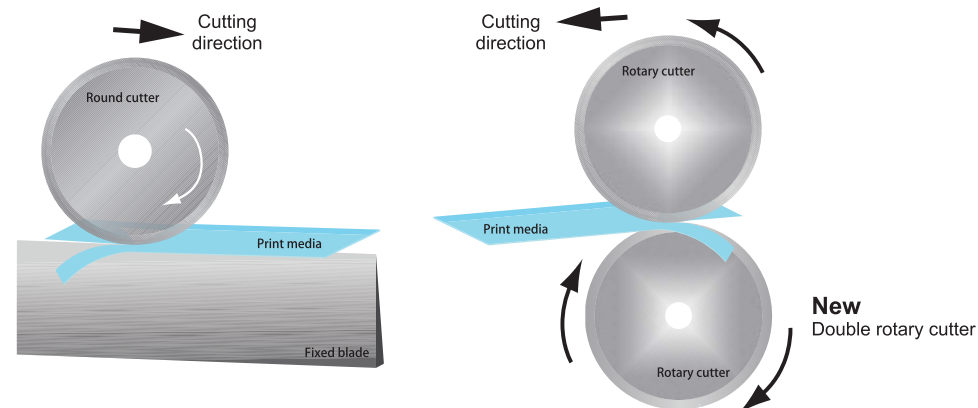
Temporarily set rolls here → Slide rolls to load them

High-productivity for large volume printing

Permanent self-propelled double rotary cutter **NEW**

Cutting direction
Round cutter
Print media
Fixed blade

Cutting direction
Rotary cutter
Print media
Rotary cutter

New Double rotary cutter

Higher throughput **NEW**

The carriage on which the printhead is mounted and the paper feed mechanism both feature a faster drive for high-speed printing. One A1-size sheet takes approximately 29 seconds*, while three sheets takes approximately 1 minute and 54 seconds*.

*Using plain paper in Draft mode. Includes paper media cutting times. For iPF610, one sheet takes approximately 33 seconds; three sheets takes approximately 2 minutes and 13 seconds.
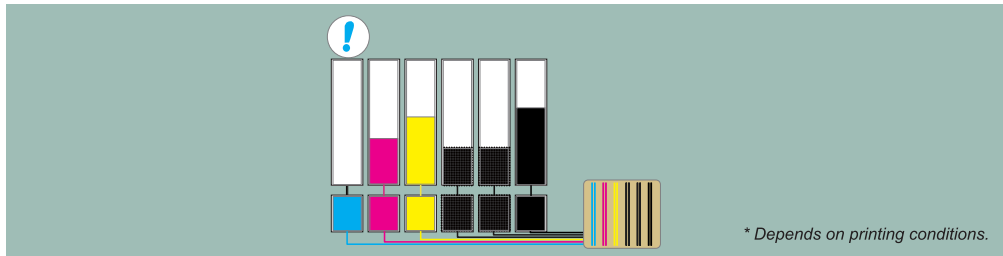
iPF650 ←→ **iPF610**

High-productivity for large volume printing

Allows ink tank replacement without stopping printing `NEW`

First imagePROGRAF 24- and 36-inch models to use individual subtanks for each ink colour within the printer. Constantly reserving a preset ink level in the subtank lets users replace ink tanks without having to stop printing. Even when ink runs out unexpectly, users can continue printing using just the subtanks. (Example: equivalent to approximately 80 sheets of A1 plain paper for monochrome drawings*.) This also enables full use of ink tank contents, eliminating waste ink.

Depends on printing conditions.

High-capacity 80 GB hard disk drive

The printer includes an 80 GB high-capacity hard disk drive (HDD). Saving print job data from a PC to the HDD makes it possible to print the required number of copies at any time, even without a PC. It also lets users resume printing after an error without resending the print job data from the PC.
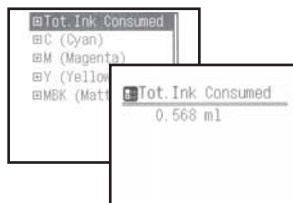
Multi-interface `NEW`

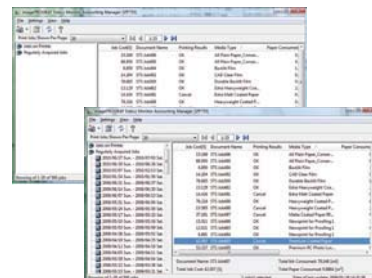Standard support for Gigabit Ethernet and Hi-Speed USB allows high-speed transfers of large data volumes.

Accounting functions `NEW`

The Status Monitor includes accounting functions to collect printer job log information and calculate printing costs. This collects job logs to identify who printed what document from what printer and calculates the number of pages and sheets printed together with printing costs.

<Statistics and calculations in Status Monitor>

<Job log on printer>
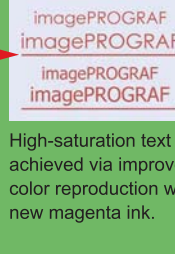
Powerful support for CAD output

imagePROGRAF includes Windows and other dedicated drivers supporting industry-standard CAD application software.
An HDI driver is provided for AutoCAD, which is used for color printing of structural floor plans and perspective drawings in architecture and civil engineering. The printers also include HP-GL/2 for high-end CAD applications such as board wiring layouts in electronics and circuit design, and engineering drawings produced by mechanical design departments in the automotive, aviation, and precision device industries.

Improved CAD print quality `NEW`

Increased line and text visibility and clearer color separation of HP/GL-2 color palette.

Improved visibility of text on colored backgrounds   Improved red text

Previous printers   **iPF 650/750/755**   Previous printers   **iPF 650/750/755**

High-saturation text is achieved via improved red color reproduction with new magenta ink.

• Color background is bright (light)
• Yellow background is clear
➤ Highly visible black text

Includes color settings for CAD drawings

Capable of producing output with colors similar to previous imagePROGRAF Series or other CAD inkjet printers, ensuring efficient job output even when used alongside or in place of other printers.

Highly accurate line drawings and text printing using imagePROGRAF printer driver 2009

The imagePROGRAF printer driver 2009 includes two dedicated CAD setting modes to ensure optimum printing of CAD drawings: CAD (Color Line Drawing) and CAD (Monochrome Line Drawing). Likewise, the 1,200 dpi rendering mode and distance accuracy of ±0.1%[1] enables high precision of lines, down to a minimum width of 0.02 mm[2]. This makes possible the fine line drawing and text printing demanded for CAD output, producing smoother straight and curved lines and text that remains crisp even at small sizes.

*1: User adjustments necessary. Printing environment and media to be printed must match that used for the adjustments. CAD paper only.
*2: Theoretical value. Results may vary according to data resolution.

Economy printing mode

Includes an Economy printing mode* using approximately half the ink used for Draft mode, useful for checking layouts, etc.

*: Using plain paper, tracing paper, or translucent matte film only. May not be available for certain print quality settings.

TECHNOLOGY

Powerful support for CAD output

Includes the imagePROGRAF HDI driver, a dedicated printer driver for AutoCAD

Comes with a dedicated imagePROGRAF HDI driver for the industry-standard Autodesk AutoCAD used in architecture and design. Users accustomed to printing using HDI/ADI drivers will find print work operations unchanged when using the imagePROGRAF HDI driver.

Supports HP-GL/2 and HP RTL   [NEW]

Supports the HP-GL/2 and HP RTL page description languages used for CAD applications, enabling use with a wide range of CAD applications.

HP-GL/2 pen palette settings

The HP-GL/2 functions have been expanded to include pen settings on the printer operation panel allowing changes in pen line width, color, and intersection shape.

Incorporates Nesting*1 and Auto Rotation*2

The following two functions are included to ensure efficient use of output paper. Nesting*1 allowing printing with minimal paper by efficiently arranging drawing data of various sizes on the roll paper. Auto Rotation*2 to automatically rotate drawing data to suit the output paper width and minimize wasted space when printing.

*1: HP-GL/2 and HP RTL data only
*2: HP-GL/2 data only

Without Nesting   With Nesting

With [Do Not Rotate] selected   With [Auto Rotation] selected

size A1   size A1

paper saving

SPECIFICATIONS

Item			imagePROGRAF iPF650	imagePROGRAF iPF750/755
Ink Type			Dye and pigment reactive ink: BK, MBK x 2, C, M, Y	
Maximum Print Resolution			2400 x 1200 dpi	
Dimensions, Weight (Net) W x D x H (mm), (Kg)	Main unit with a printer stand and Basket		997 (W) x 870 (D) x 1,062 (H) mm Weight: approx. 53.7 kg (roll holder included, no inks, no print heads) (basket: open)	1,304 (W) x 870 (D) x 1,062 (H) mm Weight: approx. 62.9 kg (roll holder included, no inks, no print heads) (basket: open)
	Main unit with Printer Stand		997 (W) x 698 (D) x 507 (H) mm Weight: approx. 43.4 kg (Main Unit Only)	
Dimensions, Weight (Packaged)	Main unit with palette		1,127 (W) x 830 (D) x 762 (H) mm; Weight: 63.0 kg	1,434 (W) x 830 (D) x 770 (H) mm; Weight: approx. 75.1 kg
	Printer Stand/Basket		1,073 (W) x 766 (D) x 263 (H) mm; Weight: 15.8 kg	1,380 (W) x 760 (D) x 240 (H) mm; Weight: approx. 16.8 kg
	For shipping to USA (All is included in one package with palette)		1,113 (W) x 816 (D) x 263 (H) mm; Weight: 16.1 kg (Printer Stand/Basket only)	1,400 (W) x 780 (D) x 240 (H) mm; Weight: approx. 17.1 kg (Printer Stand/Basket only)
Power Supply	Input power		AC 100 - 240 V (50-60 Hz)	
	Power consumption		Operation: 140 W or less	
	Standby power consumption (At the low power mode)	100 V - 120 V	5 W or less	
		220 V - 240 V	6 W or less	
	Power off (standby)		1 W or less (In compliance with Executive Order of the President of the United States of America)	
Operational Environment			Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
Acoustic Noise	Acoustic pressure		Operation: approx. 47 dB (A) (Plain paper, Standard printing mode, Line Drawing/Text) Standby: 35 dB (A) or less Measured in the above conditions, based on ISO 7779	Operation: approx. 50 dB (A) (Plain paper, Standard printing mode, Line Drawing/Text) Standby: 35 dB (A) or less Measured in the above conditions, based on ISO 7779
	Acoustic power		Operation: approx. 6.4 Bels (Plain paper, Standard printing mode, Line Drawing/Text) Measured in the above conditions, based on ISO 7779	Operation: approx. 6.6 Bels (Plain paper, Standard printing mode, Line Drawing/Text) Measured in the above conditions, based on ISO 7779
Memory	Standard memory		256 MB	256 MB
	Hard Disk		—	80 GB (iPF 755 only)
Interface	USB	Type	Built-in	
		Mode	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer	
		Connector type	Series B (4 pins)	
	Ethernet	Type	Built-in	
		Standard	IEEE 802.3 10base-T IEEE 802.3u 100base-TX / Auto-Negotiation IEEE 802.3ab 1000base-T / Auto-Negotiation IEEE 802.3x Full Duplex	
		Protocol	IPX/SPX (Netware 4.2(J), 5.1(J), 6.0(J)) SNMP (Canon MIB supported), HTTP, TCP/IP (IPv4/IPv6), AppleTalk	
Media Handling				
Media Feed and Output	Roll paper		1 Roll, Top-loading, Front Output	
		Manual feed (1 sheet)	Top-feeding, front output (Manual feed using media locking lever)	
	Paper path switch (roll/cut sheet)		Manually switchable by user	
	Delivery direction		Face-up, front side	
	Maximum stacking number of delivered prints		- 1 sheet: In case of the regular basket position. - 20 sheets: In case the basket is positioned so that delivered prints are draped over and piled up. (Measurement condition: Plain paper PBSK, RJPH, recycled plain paper; measured at normal temparature and normal humidity; the printed image equivalent to the Cottage; A1 or 24" x 36")	- 1 sheet: In case of the regular basket position. - 20 sheets: In case the basket is positioned so that delivered prints are draped over and piled up. (Measurement condition: Plain paper PBSK, RJPH, recycled plain paper; measured at normal temparature and normal humidity; the printed image equivalent to the Cottage; A0 or 36"x48")
Media Size	Roll paper (width)		ISO - A3, A2, A2+, A1 JIS - B4, B2 ARCH - 24" Others – 10", 14", 16", 17", Banner (300 mm)	ISO - A3, A2, A2+, A1, A0 JIS - B4, B2, B1 ARCH - 24", 30", 36" Others – 10", 14", 16", 17", Banner (300 mm)
	Cut sheet		ISO - A4, A3, A3+, A2, A2+, A1 , B4, B3, B2 DIN - C4, C3, C2 JIS - B4, B3, B2 ANSI - 8.5x11", 8.5x14", 11x17", 13x19", 17x22", 22x34" ARCH - 9x12", 12x18", 18x24", 24x36" Photo - 20x24", 18x22", 14x17", 12x16", 10x12", 10x15", 16x20" (US Photo size) Poster - 20x30", 300x900 mm Others - 13x22"	ISO - A4, A3, A3+, A2, A2+, A1, A0, B4, B3, B2, B1 DIN - C4, C3, C2, C1, C0 JIS - B4, B3, B2, B1 ANSI - 8.5x11", 8.5x14", 11x17", 13x19", 17x22", 22x34", 28x40", 34x44" ARCH - 9x12", 12x18", 18x24", 24x36", 26x38", 27x39", 30x42", 36x48" Photo - 20x24", 18x22", 14x17", 12x16", 10x12", 10x15", 16x20" (US Photo size) Poster - 20x30", 30x40", 300x900 mm Others - 13x22"
Media Thickness	Roll paper		0.07 - 0.8 mm	
	Cut sheet			
Maximum Outside Diameter of Roll Paper			150 mm	
Media Core Size			Internal diameter of roll core: 2" / 3"	
Media Width	Roll paper		254 (10") - 609.6 (24") mm	254 (10") - 914.4 (36") mm
	Cut sheet	Cassette	203.2 (8") - 609.6 (24") mm	203.2 (8") - 917 (DIN C0) mm
		Manual feed from the top		
		Manual feed from the front		
Minimal Printable Paper Length	Roll paper		203.2 mm (8") (Regular Format Size - Vertical)	
	Cut sheet		279.4 mm (11"): Letter size (long side) (Regular Format Size - Vertical)	
Maximum Printable Paper Length	Roll paper		18 m (Varies according to the OS and application)	
	Cut sheet		1.6 m (Varies according to the OS and application)	
Margins	Recommended area	Roll paper	Left: 5 mm, Right: 5 mm, Top: 20 mm, Bottom: 5 mm	
		Cut sheet	Left: 5 mm, Right: 5 mm, Top: 20 mm, Bottom: 23 mm	
	Printable area	Roll paper	Left: 3 mm, Right: 3mm, Top: 3 mm, Bottom: 3 mm	
		Roll paper (borderless print)	Left: 0 mm, Right: 0 mm, Top: 0 mm, Bottom: 0 mm	
		Cut sheet	Left: 3 mm, Right: 3mm, Top: 3 mm, Bottom: 23 mm	
Borderless Printing	Media width		10" (254 mm), B4 (257 mm), A3 (297 mm), Banner (300 mm), 14" (356 mm), A2 (420 mm), A2+/17" (432 mm), B2 (515 mm), A1 (594 mm), 24" (610 mm)	10" (254 mm), B4 (257 mm), A3 (297 mm), Banner (300 mm), 14" (356 mm), A2 (420 mm), A2+/17" (432 mm), B2 (515 mm), A1 (594 mm), 24" (610 mm), B1 (728 mm), A0 (841 mm), 36" (914 mm)

Paper Type	Paper Quality	Print Speed	Paper Quality	Print Speed
Plain Paper	Draft (300 dpi)	0.47 min	Draft (300 dpi)	0.77 min
	Standard (600 dpi)	0.87 min	Standard (600 dpi)	1.52 min

External Dimensions

Canon

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