

Large-format inkjet printers for graphic arts professionals that demand superior output for the discerning customer



imagePROGRAF

The iPF8300 44" large format printer delivers outstanding print quality through advanced technology and industry compatibility for colour proofing, photography, fine art, posters and display items of superior print quality in printing, proofing, design, advertising, and industrial design applications and at print-for-pay shops.



### Key Features

#### Superior Print Quality

- Wider color gamut
- Better scratch resistance
- Smoother gradation
- Controllable
- Reduced bronzing
- Sharper blacks
- Deeper dark tones
- Less color misregistration
- Higher precision in text and fine lines
- Reduced ghosting
- Better uniformity across the surface

#### Supporting technology

- LUCIA EX pigment ink
- High-Precision Photo mode
- Dynamic placement adjustment
- High-Precision Text/Line mode
- High-precision mechanical structures

#### Compatible with all major RIPs

- GMG
- EFI
- Onyx
- ErgoSOFT
- CGS
- RATIO



4pl FINE print-head technology producing **2400 x 1200 dpi** print resolution through a **twin** print head design with **30,720**



L-COA image processor for **high-speed, high-precision** image processing and printer control.



LUCIA EX 12 colour pigment ink that meets the exacting standards of professionals in colour or monochrome photography and proofing applications.



Kyuanos enhances compatibility between input and output devices in the area of colour management, enabling automatic, highly accurate colour matching.

Auto switching blacks

Automatic switching to match the paper eliminates the need to change inks. Separate rows of nozzles for the two types of black prevent ink wastage at the time of replacement.

Borderless Printing

High-impact borderless printing on a variety of paper sizes is possible giving user's greater **creative freedom** in poster production and large-format photographic printing whilst **reducing costs**.

Built-in Accounting Manager

Built in accounting functions to collect printer job information and calculate **printing costs** allowing users to identify who printed what document from what printer and the associated costs.

Adobe Photoshop Plug-in

**16-bit Adobe RGB** images edited in Photoshop can be printed directly from imagePROGRAF printers, preserving the wide gamut and high gradation.

Built-in Calibration

On board printer calibration is provided to quickly and efficiently improve **colour consistency**.



Energy Star® Compliant  
Meets Energy Star® guidelines for **energy efficiency**

The iPF8300 is the workhorse of the imagePROGRAF range full of refined technical advances to satisfy the demands of customers

Technology providing highly precise and exceptionally high quality printing.

# imagePROGRAF iPF8300

## Large Format Printer

**Canon**  
advanced simplicity®

Item	Specification	
Size	44-inch	
Ink Type	12 colour LUCIA EX Pigment Ink: BK, MBK, C, M, Y, PC, PM, GY, PGY, R, G, B	
Maximum Print Resolution	2400 x 1200dpi	
Installation	User installation	
Product Durability	20,000 sheets of A0-size (No maintenance) 50,000 sheets of A0-size (with periodical parts replacement) Printing conditions: each colour 10 % duty, glossy photo paper, standard printing mode	
Dimensions, Weight (Net)	Main unit and Printer Stand	1,893 (W) x 975 (D) x 1,144 (H) mm Weight: approx. 143 kg (including Roll Holder Set; excluding ink and print heads)
Power Supply	Input power	AC 100 - 240 V (50 - 60 Hz)
	Power consumption	Operation: 190 W or less
	Standby power consumption	6 W or less
	Power off (standby)	1 W or less
Operational Environment	Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
Acoustic Noise	Acoustic pressure	Operation: 50 dB (A) or less (Glossy Photo Paper, Image, Standard) Standby: 35 dB (A) or less (Measured based on ISO7779 under the above conditions)
	Acoustic power (LWAd)	Operation: 6.8 Bels or less (Glossy Photo Paper, Image, Standard) (Measured based on ISO7779 under the above conditions)
Detector and Adjustment	Registration adjustment	Automatic / Manual
	Banding adjustment	Automatic / Manual
	Line length adjustment	Manual
	Head slant adjustment	No
	Colour calibration	Yes
	Head gap adjustment	Automatic / Manual
	Non-firing detection	Yes
	Non-firing compensation	Yes
	Roll media remaining detection function	Yes
Memory	Standard memory	384 MB
Firmware	Printer language	GARO (Graphic Arts language with Raster Operations)
	Job control	CPCA
	Status reply	CPCA, SNMP-MIB (Standard MIB, Canon-MIB)
Operation Panel	Display	Large LCD: 160 x 128 dots, Key x 13, LED x 5
	Language on operation panel	US-English, Japanese
	Displayable Language on LCD	US-English, French, German, Italian, Spanish, Chinese, Korean, Russian, Japanese (Kanji)
Hard Disk	2.5-inch 80GB 5400 rpm S-ATA I/F	
Interface	Hi-Speed USB Type	Built-in; Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer; Series B (4 pins)
	Ethernet Type	Built-in 10/100/1000 Full Duplex
	Protocol	IPX/SPX (Netware 4.2(J), 5.1(J), 6.0(J)); SNMP (Canon-MIB); HTTP; TCP/IP (IPv4/IPv6); AppleTalk
<b>Media Handling</b>		
Media Feed and Output	Roll paper	One Roll, Front-loading, Front Output
	Cut sheet	Front-loading, Front Output (Manual feed using media locking lever)
	Delivery direction	Face-up, Front side
	Take-Up Unit	Optional - TU-06
Media Size	Roll paper (Width)	ISO - A3, A2, A1, A0 ; JIS - B2, B1, B0; ARCH - 24", 30", 36"; Others - 10", 14", 16", 17", 42", 44"
	Cut sheet (top loading)	ISO - A4, A3, A3+, A2, A2+, A1, A0, B4, B3, B2, B1, B0; DIN - C4, C3, C2, C1, C0; 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", 8x10", 16x20"; Poster - 20x30", 30x40", 42x60", 44x62", 300x900 mm; Others - 13x22"
	Cut sheet (front loading)	ISO - A2, A1, B2; DIN - C2; JIS - B2; ANSI - 17x22", 22x34"; ARCH - 18x24", 24x36"; Photo - 20x24", 18x22"; Poster - 20x30"; Others - 13x22"
Media Thickness	Roll paper	0.07 - 0.8 mm
	Cut sheet	Top - 0.07 - 0.8 mm; Front - 0.5 - 1.5 mm
Maximum Outside Diameter of Roll Paper	150 mm	
Media Core Size	Internal diameter of roll core	2" / 3"
Media Width	Roll paper	254 - 1,117.6 mm
	Cut sheet	203.2 - 1,117.6 mm
Minimum Printable Paper Length	203.2 mm	
Maximum Printable Paper Length	Roll paper /	18 m (Varies according to the OS and application)
	Cut sheet	1.6 m
Margins	Recommended area	Roll paper: Top: 20 mm, Bottom: 5 mm, Side: 5 mm
	Cut sheet	Top: 20 mm, Bottom: 23 mm, Side: 5 mm
	Printable area	Roll paper: Top: 5 mm, Bottom: 5 mm, Side: 5 mm
	Cut sheet	Top: 5 mm, Bottom: 23 mm, Side: 5 mm
Borderless Printing Media Width	515 mm (JIS B2), 1,030 mm (JIS B0), 594 mm (ISO A1), 841 mm (ISO A0), 10", 14", 17", 24", 36", 42", 44"	
Manual Media feed capacity	1 sheet (from top, from front)	
<b>Options</b>		
Roll Holder Set	RH2-44	
Take-Up Unit	TU-06	
<b>Compliance</b>		
Electrical safety regulations	AS	
Electromagnetic interface regulations	C-Tick	
Environment certifications	Energy Star, ROHS	
<b>Consumables</b>		
Print Head	Model/ Type	PF-05 / Bubble-jet on demand
	Head configuration	6 colours integrated type (6 chips per print head x 2 print heads)
	Nozzle pitch	1200 dpi x 2
	Nozzle per chip	2,560 nozzles x 6 colours, 2 print heads
	Droplet size	4pl
Tank	Model	PFI-305/705: BK, MBK, C, M, Y, PC, PM, GY, PGY, R, G, B
	Supply	Tubing system (with sub-tank)
	Capacity	Starter use: 330ml, Sales use: 330ml or 700ml
	Level detection	Detected by dot count and electrode
	Smart chip	Each ink tank is equipped with EEPROM which stores its ink level
Maintenance Cartridge	MC-08	
Cutter	CT-06	



PosterArtist Software



PosterArtist is an easy-to-use, high-quality poster creation application. It allows professional-quality posters to be produced quickly and easily even by office users with no specialist design experience, for use in retail, distribution, service, education, manufacturing, and other fields. The software features simple operation and an extensive range of templates and design materials, enabling posters to be created to suit requirements by following just four steps and supporting a diverse range of poster creation needs.

