

Canon



imagePROGRAF iPF9000

The Canon imagePROGRAF iPF9000 takes large format color production to the next level. With the iPF9000, Canon delivers impressive 60" full-bleed color output, strength in paper handling and speed in output-everything a professional needs to productively and efficiently create enhanced color materials. The iPF9000 printer is designed to fulfill the needs of any digital artist looking to create captivating images from capture to output. The 12-color pigment ink system was designed to expand the spectrum of color for environments from photography to design, to take advantage of within their output. The iPF9000 incorporates the new 12-color pigment ink system with LUCIA™ inks, and the new L-COA controller, which intelligently processes the data directing the rapid printing process. Combined with Canon's dual print head design and the most ink nozzles per color in the industry (as of May 2006), the L-COA controller helps achieve print speeds of under three minutes for 16.5" x 23.4" (A2) size prints with 1200 x 1200 dpi resolution on a glossy photo paper. The iPF9000 has the tools that address the needs of the Graphic Arts market, focusing on the photographic, fine art, proofing and poster sign markets.

Its built-in features put the power to produce at your fingertips. Designed for reliability, simplicity, and above all quality, the iPF9000 is the professional's answer for superior quality prints. Canon has created a way in which breathtaking large quality prints can be created right out-of-the-box, with software that is just as innovative as the printer itself, such as PosterArtist, Digital Photo Print Pro, and Print Plug-in for Adobe® Photoshop®.

Features:

- **12-Color Pigment Ink System** - New LUCIA inks expand the range of color reproduction by providing a wide color gamut.
- **Automatic Switching Between Black Inks** - utilizes automatic switching between Regular Black and Matte Black Ink, helping to eliminate wasted ink and time of swapping out ink tanks.
- **New Print Head System** - dual print head system with a total of 30,720 nozzles.
- **Efficiency & Speed** - The iPF9000's built-in 40 GB HDD processes jobs fast, and maintains productivity and enables easy unmanned printing.
- **Borderless Printing** - 4-sided edge to edge printing, only with roll media.

LUCIA Pigment Ink Technology

The iPF9000 printer features a new 12-color pigment ink system featuring Red, Blue, Green, Gray, Photo Gray, Cyan, Photo Cyan, Magenta, Photo Magenta, Yellow, Regular Black, and Matte Black. The large color gamut provided by the 12 inks produces brilliant colors. The addition of gray and photo gray helps to create smooth gradations and less graininess, creating a crisp monotone output.



Automatic Switching of Black Inks

The iPF9000 will automatically switch between Regular Black and Matte Black at the time of printing. Simply choose the paper type and the iPF9000 will use the appropriate black to optimize print quality.

The Regular Black ink produces high quality prints on photo glossy type media and the Matte Black ink exhibits high contrast prints with deep black on media such as fine art paper. **Non-firing Detection and Compensation Function** - when clogged or non-firing nozzles are detected; print head cleaning cycle is automatically executed. If the nozzle remains obstructed, the iPF9000 will automatically compensate by rerouting the ink to functioning nozzles.

New Print Head - PF-01 - Dual print head system

Print Head (PF-01) -

Engineered for speed and advanced image production, the iPF9000 boasts Canon's dual print head system to lay down ink with unprecedented speed and accuracy. Unlike conventional printers with a single print head, the iPF9000 uses two high-precision, high-density print heads with a total of 30,720 nozzles. It lays down precise 4pl ink droplets to produce sharp detail and excellent image quality.

The superfine 4pl droplets produce delicate color gradations and high-definition. The twin lines of nozzles on the new print heads enable the iPF9000 to minimize the number of printing passes and still maintain print quality. Each of the 2 print heads contain 6 colors, for a total of 12, each employing 2,560 nozzles for a grand total of 30,720 nozzles. This print head technology enables the iPF9000 to print at a true 1200 dot pitch with remarkable speed.

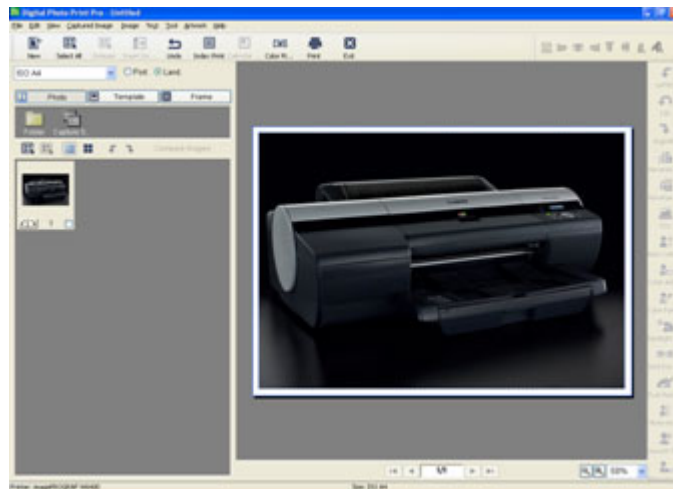
L-COA Controller - New Print Controller

The L-COA¹ print controller intelligently processes the print data to implement high-speed processing in order to accurately lay ink down for optimal image quality. Combined with Canon's dual print head design and the most ink nozzles per color in the industry, the L-COA controller helps achieve print speeds of under three minutes for 16.5" x 23.4" (A2) size prints, at 1200 x 1200 dpi on a glossy photo paper.

(*Print speeds noted here are bench-mark testing results conducted by Canon Inc. The testing conditions are as follows: The print time is measured from the start of printing until the image is exited out from the printer. These tests were conducted with a Pentium® 4 3.2GHz CPU running Windows XP, 1GB RAM, USB 2.0, from Adobe Photoshop 7.0, ISO/JIS-SCID No.5 (bicycle chart) enlarged to 410mm x 512.5mm, using printer driver default setting.)

DPPP - Software application with professional editing tools and templates

This image editing and layout software is designed to easily edit and output large-format prints from images captured with a digital camera. For novice photo software users, DPPP simplifies advanced functions such as red-eye correction, dust removal, skin tone improvement and many other features. Furthermore, you can layout images in a variety of ways using the templates provided within the application. For Adobe Photoshop users, DPPP is capable of 2-way communication to enable the quick exchange of image files between the two programs. Avoid inaccurate prints by utilizing the Soft Proof function, which provides the ability to view the actual output colors in advance on the monitor, and the Real Preview function which confirms in advance how many images will be laid out on roll paper.



Color Features

- Auto Color Correct
- Manual Color Correct with Dynamic RGB Histogram Chart
- Tone Curve Editing
- Profile Support for sRGB, Adobe® RGB
- Detailed Image Properties
- Sepia Hue Adjustment

Image Correction Features

- Skin Tone Improvement
- Redeye removal (Auto/Manual)
- Dust/Scratch Removal
- Back Light Correction
- Moiré Removal

- White/Gray/Black Point Correction

Layout Features

- Templates
- Calendars
- Index Printing
- Multiple Photo Layouts
- Text Insertion
- Frames
- Trimming
- Multiple Undo

Print Plug-in for Adobe® Photoshop® - An export print module

This application was designed to enable direct printing of 16-bit RGB images directly from Adobe Photoshop 6, 7, CS and CS2. This plug-in is a true export module that bypasses the print driver on Windows® and Macintosh® computers. The module was designed to be an integral part of a photographer's 16-bit workflow without compromising image quality. The plug-in facilitates the printing of 16-bit images by processing the data outside the conventional driver and sending the data directly from Photoshop to the printer, dramatically increasing gradations and as a result, overall image quality. The print history function enables the user to apply past color, profile and print settings to future jobs. The module allows for improved efficiency in color adjustment tasks and high-definition prints for Photoshop users.

Features

- Soft proof - preview window
- Print history function
- Advanced color and quality controls
- Easily apply custom ICC profiles

Printer Driver

The imagePROGRAF printer driver works with both Windows® and Macintosh® operating systems offering exceptional, high quality prints through easy usability and accurate color. The printer driver incorporates existing imagePROGRAF functions along with new, easy to use functions. The monochrome photo mode produces neutral, high quality monochrome images with the primary use of the black, gray and photo gray inks. This mode helps to ensure minimal shifts in color that are commonly caused by the use of color inks in black and white prints, thus outputting neutral tones with smooth gradation. Another easy to use feature is the free layout feature, which allows for custom nesting of separate images and documents.

Features

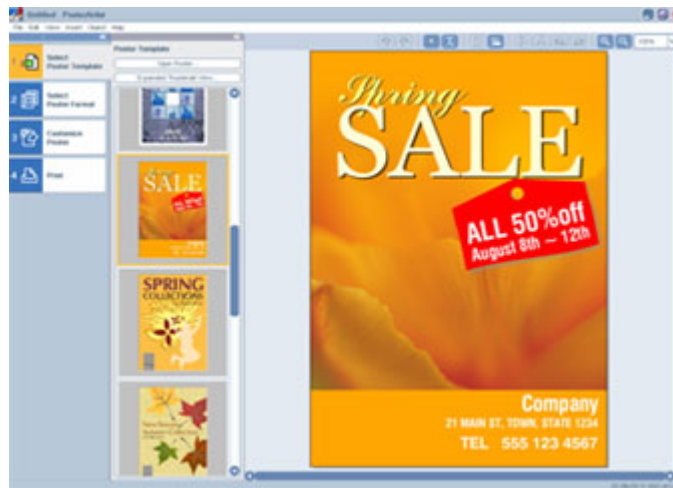
- 14 preset document profiles (examples are Poster, CAD, Photo)
- Automatic print quality options dependent on print application and media

- Borderless printing
- Saturation and Gray Adjustment
- Easy Long Print
- Input Profiles
- Easy Setting/Advanced Setting
- Print Priority
- Monochrome photo mode
- Gray Adjustment
- 12-Color pigment ink
- Support for Adobe RGB
- Free layout feature
- Edit Using Poster Artist
- Enhanced profile settings
- Scan to Copy - iR enlargement copy

¹Windows Only

PosterArtist - Software application with poster designing and printing capabilities

This template driven software was developed by Canon specifically to create large-format posters easily. PosterArtist helps users of all levels to create professional looking posters, banners and signage with extreme ease. This application offers a variety of templates, hi-res royalty-free images and clipart designed to target a wide array of markets such as food service, education, offices, retail and much more.



Features

- Provides professionally designed templates to simplify poster creation
- Over 1GB of preloaded files in a wide variety of poster designs and artwork
- Variable Data Printing
- Page Capture feature allows users to load desired data from other applications into a PosterArtist poster, such as Microsoft® Word®, Excel® and Adobe® Acrobat®
- Import images directly from most digital cameras
- PosterArtist QuickCopy - separate application with the ability to enlarge image data scanned with any CanoScan flatbed scanner