Canon

imagePROGRAF®
iPF5100

iPF5100

GRAPHIC ARTS
LARGE-FORMAT PRINTING

Introducing the Canon imagePROGRAF iPF5100 17" large-format printer

Brilliant color, breathtaking detail, and outstanding results – *FAST!*

The latest addition to an unparalleled family of large-format printing solutions, the imagePROGRAF iPF5100 printer puts the power of Canon's world-renowned photography, ink-jet printing, and color imaging technologies into the hands of photographers, artists, designers, and graphic arts professionals. Featuring Canon's LUCIA™ ink, high-resolution, high-speed output, and built-in calibration, the iPF5100 printer is engineered to ensure exceptional results across a wide array of professional print projects.

Designed for maximum productivity and consistently spectacular results, the iPF5100 printer is built to save valuable time and effort while delivering ultra-high-quality photographic prints, proofs, and fine art reproductions.

Photo credit: ©Vinny Isola

Photo credit: ©Stephen Eastwood

iPF5100

FEATURES

The advanced features in the iPF5100 printer were specifically developed by Canon to produce the rich color, fine detail, and realistic reproduction demanded by today's most challenging large-format print and graphics assignments.

A SPECTRUM OF 12 COLORS WITH LUCIA™ PIGMENT INK

- More colors means a wider gamut for more accurate results.
- Four monochromatic shades deliver true gray tones.
- Formulated to:
  - Reduce graininess
  - Minimize bronzing
  - Increase durability
  - Resist scratching

BUILT-IN CALIBRATION

- A built-in calibration feature helps to maintain consistently superior results.
- The automatic sensor readjusts settings based on the media that's presented to the printer.

12-color inks for
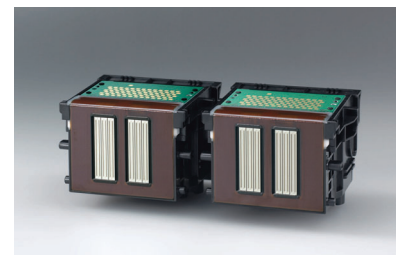ultra-high-quality imaging

ULTRA-HIGH-QUALITY IMAGING

- High-resolution output, up to 2400 x 1200 dpi
- Superfine 4-picoliter droplets produce delicate color gradation and high-definition expression.
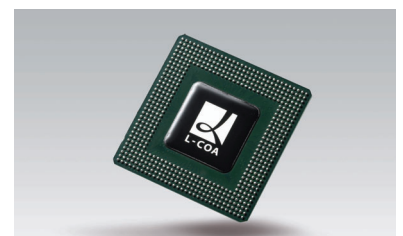
HIGH-SPEED OUTPUT

- Two one-inch print-heads, with a total of 30,720 nozzles
- Canon's advanced L‑COA Image Processor for faster high-quality output and print optimization

SOFTWARE SOLUTIONS

- Digital Photo Front-Access*
- Print Plug-in for Adobe® Photoshop® and Digital Photo Professional
- PosterArtist 2007* (optional)

Two print-heads
ensure fast output

L‑COA Image Processor

*PC only

Consistently achieve superior results

Canon understands that reliable, accurate color reproduction is a top priority for photographic and graphic arts professionals. With groundbreaking technology built into the iPF5100 printer, professionals can now unleash their full creative potential and achieve spectacular results.

LUCIA INK IN A SPECTRUM OF 12 COLORS
Superior performance begins with the iPF5100 printer's 12-color ink set with LUCIA pigment inks. This printer's broad color pallet includes Red, Blue, Green, Cyan, Photo Cyan, Magenta, Photo Magenta, and Yellow plus four monochromatic shades: Black, Matte Black, Gray, and Photo Gray. Canon's durable LUCIA pigment inks are chemically formulated to improve print quality on a wide range of media.

- **Engineered for longevity:** LUCIA inks are recommended for photo, fine art printing, and proofing applications.
- **Reduced graininess:** Ink coverage and density are optimized to minimize the beading that can cause images to appear grainy. The unique composition of the iPF5100 printer's ink reduces graininess—even on glossy media.
- **Minimizes bronzing:** Each pigment particle is coated with a resin, which helps the ink to lay down smoother on the media's surface so light reflects off the print more evenly and bronzing is reduced.
- **Improved scratch resistance:** The resin coating also helps the ink to form a stronger bond with the media. This helps LUCIA inks to affix to the media, making them less likely to peel, scratch, or crack— an important advantage, especially when producing display-quality prints.
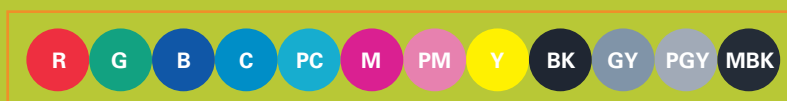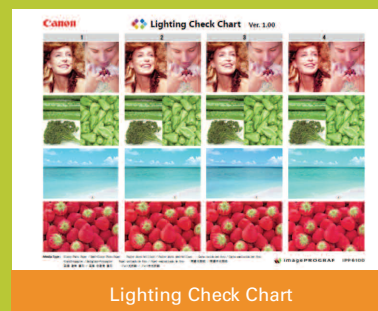
BUILT-IN CALIBRATION MEANS YOU GET THE COLORS YOU EXPECT
When it comes to producing color-accurate reprints or managing output across multiple printers, the iPF5100 printer's built-in calibration function helps to ensure that you'll get the results you expect.

Unlike the complex and time-consuming color calibration normally required in professional settings, the iPF5100 printer will reset itself back to the original, optimal factory settings for the printer's media types—in just minutes. This easy-to-use feature helps compensate for adverse environmental conditions while providing a stable platform for color management with consistent color reproduction.

KYUANOS: NEXT-GENERATION COLOR MANAGEMENT
Canon's next-generation Kyuanos high-precision color management system delivers output color suitable for different viewing conditions, such as fluorescent lights, incandescent lights, or sunlight. Kyuanos incorporates the advanced Ambient Light Adjustment Function for select media,* which optimizes output for differences in lighting conditions for consistent color in accordance with different lighting environments.

Lighting Check Chart

R   G   B   C   PC   M   PM   Y   BK   GY   PGY   MBK

High performance to get the job done

The user-friendly functions of the iPF5100 printer seamlessly integrate with a high-speed print engine to produce the ultra-high-quality images that professionals demand.

FAST, PRECISE PRINTING

Driving data to the iPF5100 printer and optimizing print functions is Canon's advanced L-COA processor. This high-speed processor intelligently manages the high-volume data required for displaying quality large-format graphics and directs the precision high-density print-heads with unprecedented speed.

The iPF5100 printer has two one-inch print-heads with a total of 30,720 nozzles—2,560 nozzles per color—for fast printing, up to 2400 x 1200 dpi, and precise placement of tiny 4pl droplets of ink.

BOOST YOUR PRODUCTIVITY

In addition to its speed and quality, Canon has implemented other enhancements to the iPF5100 printer to help maximize productivity in busy work environments. Its manual top-feeding design improves performance, while a refined printing sequence delivers accelerated throughput overall. Plus, a new, quieter platen fan and sound-absorbing material added to the inner wall of intake ducts in the iPF5100 printer combine to yield quieter operation for a more comfortable working environment.

SOFTWARE SOLUTIONS THAT ARE SIMPLE TO USE AND EXPAND YOUR CAPABILITIES

Canon opens a world of new possibilities with workflow solutions for photography and graphic arts applications. The following software solutions are available with the iPF5100 printer to provide users of all levels with expanded capabilities and address the unique requirements of large-format printing.

Print Plug-in for Adobe® Photoshop® for enhanced image processing and printing from Photoshop

Print Plug-in for Digital Photo Professional facilitates high-quality printing from digital cameras

Digital Photo Front-Access displays file images and provides a link to other software applications for editing and printing

Canon Printer Driver 2007 optimizes productivity with both easy and advanced settings

PosterArtist 2007 (optional) an easy-to-use template-driven poster creation tool

Photo credit: ©Vinny Isola

iPF5100

Professional Prints Made Easy

With the iPF5100 printer, Canon has included all the tools and technology you need to produce professional grade ultra-high-quality large-format graphics.

PORTRAITS AND PHOTOGRAPHY

Put Canon's expertise into every print. Organize, edit, and make image corrections with just a click. Digital Photo Front-Access helps make integrating digital photos into large-format applications easy. The Print Plug-in for Adobe® Photoshop® and Digital Photo Professional enable 16-bit image processing of images to dramatically improve gradations and image quality.

The system's wide color gamut and interchangeable black inks produce richer, deeper tones, and more realistic images. Canon's durable LUCIA pigmented inks are chemically formulated to further reduce graininess, minimize "bronzing," and resist scratching and fading. These features, combined with the iPF5100 printer's high-resolution output and precise placement of a tiny 4pl droplet mean that display-quality photo enlargements and portraits can be produced with absolute confidence.

FINE ART REPRODUCTIONS

There's no limit to your creativity with the iPF5100 large-format printing system. This system's 12-color ink set provides an unprecedented color spectrum that delivers spectacular prints and breathtaking results. The printer's high-resolution and precise placement of a miniscule 4pl droplet means that museum-quality images can be produced in detail with absolute confidence. Produce multiple prints and reprints and always get the colors right. With the iPF5100 printer's built-in calibration features you can always get the results you expect.

PROOFING

A set of workflow and print technologies make the iPF5100 printer one of the most efficient and fastest proofing devices available. The wide color gamut enabled by the 12-color ink set means that a greater range of colors can be reproduced. The stability of Canon's LUCIA pigmented inks increase the reliability of the proof as the prints will exhibit little or no perceptible color shift. Canon's patented 30,720 nozzle 2400 x 1200 dpi print-head technology delivers clear images, smooth transitions, and solid fills required for professional proofing applications.

GRAPHIC ARTS APPLICATIONS

The iPF5100 printer is equipped with software applications and advanced printing technologies to expand the range of print possibilities to include posters, banners, signs, and more. Canon's optional template-driven PosterArtist 2007 software helps users of all levels to design and print a wide variety of large-format graphics. A wide range of media—including a variety of papers, adhesive-backed materials, and films—make it possible to create a diverse range of large-format applications. High-speed throughput means that deadlines can be met and full production runs can be produced on time.

Tropicana

Harvest Moon

The Border Crossing

Josephine Baker

The Venician Ball

Dominatrix

Photo credit: ©Michel Tcherevkoff

iPF5100

SPECIFICATIONS

imagePROGRAF® iPF5100

Print-Head
PF-03

Technology
FINE (Full-photolithography Ink-jet Nozzle Engineering)

Configuration
Two Print-Heads (Total 12 Colors)
6 Colors per Print-Head
Print-Head (A) Y/PC/C/PGY/GY/MBK
Print-Head (B) PM/M/BK/R/G/B

Number of Nozzles
2,560 per Color
(30,720 Total)

Droplet Size
4 Picoliter

Nozzle Pitch (Head Resolution)
1,200 dpi

Print-Head Swath
1.07 inch

Print Resolution (Max.)
2400 x 1200 dpi

Ink Type
LUCIA Ink (Pigment-based)

Ink Tank
PFI-101 (C, M, Y, PC, PM, R, G, B)
PFI-103 (BK, MBK, GY, PGY)

Colors
Cyan, Photo Cyan, Magenta, Photo Magenta, Yellow,
Black, Matte Black, Red, Green, Blue, Gray, Photo Gray

Ink Tank Capacity*
130ml per Color

Ink Supply Method
Tubing System

Nozzle Recovery System
Non-firing Nozzle Detection and Compensation

Print Controller
L-COA Controller

Printer Memory
192MB

Media Feed
Roll Feed
One Roll, Front Output
Top-Loading Manual Feed
One Sheet, Front Output
Front-Loading Manual Feed
One Sheet, Front Output
Cassette
Up to 250 Sheets (Letter, Plain Paper, Front Output)

Media Width
8"-17" (Cut Sheet and Roll)

Minimum Media Length
Top-Loading Manual Feed
11.0" (279mm)
Front-Loading Manual Feed
20.47" (520mm)
Roll Feed
8" (203mm)

Maximum Print Length
Manual Feed (Top)
62" (1.6m)
Manual Feed (Front)
36" (914mm)
Roll Feed
59' (18m)**

Borderless Printing Width (Roll Media Only)
10" (254mm), B4 (257mm), A3+ (329mm), 14" (356mm),
16" (407mm), A2 (420mm), A2+/17" (432mm)

Media Cutter
Built-in Durable Rotary Blade

Media Thickness
Top-Loading Manual Feed
0.08mm-0.8mm (3.2-31.4mil)
Front-Loading Manual Feed
0.5mm-1.5mm (19.6-59.0mil)
Roll Feed
0.08mm-0.8mm (3.2-31.4mil)
Cassette
0.08mm-0.3mm (3.2-11.8mil)

Media Core Sizes
2" or 3" Core (with Supplied Adapter)

Printable Margins
Manual Feed (Top/Front)
Leading and Left/Right Edges: 0.12" (3mm)
Trailing Edge: 0.90" [Front = 23mm/Top = 3mm
(except for Art Paper)]
Roll Feed
All Sides: 0.12" (3mm) or 0" for Borderless

Maximum Media Roll Outer Diameter
5.9" (150mm)

Bundled Software
Printing Software
Printer Driver 2007, Print Plug-in for Photoshop,***
Print Plug-in for DPP,† Printer Driver Extra Kit▪
(Free Layout,▪▪ imageRUNNER® Linking Function)
Applications
Digital Photo Front-Access▪▪
Utilities
GARO Status Monitor (Windows)/Print Monitor (MAC),
Media Configuration Tool, Remote UI

Printer Language
GARO (Canon Proprietary)

Operating System ▪▪▪
Windows® (2000, XP, Windows Vista® 32/64 bit)
Macintosh® (OS9, OS10)

Interface
Standard
Hi-Speed USB 2.0
10/100Base-T/TX
Optional
IEEE1394 (FireWire®), PosterArtist 2007

Acoustic Noise
Operation
51dB or Less

Power Supply
AC 100-120V (50/60Hz)

Power Consumption
Maximum
100W or Less
Standby
6W or Less
Power Off
Less than 1W (Compliant with Executive Order)

Certifications
ENERGY STAR® (WW), RoHS directive, WEEE, Executive
Order of the President of the United States of America,
China RoHS Directive

Operational Environment
Temperature
59-86F° (15-30C°)
Relative Humidity
10-80% (No Condensation)

Dimensions (H x W x D)
13.5" x 39.3" x 31.9"

Weight
Approx. 108 lb. (Excludes Ink Tank
and Print-Heads)

User-Replaceable Items
Print-Head (PF-03)
Maintenance Cartridge (MC-16)

Options
IEEE1394 Expansion Board (EB-05)
Cabinet Stand (CB17-01)
Printer Stand (ST-11)
Roll Holder (RH2-11)
Basket (BU-02)

* The starter ink tanks initially packaged with the printer are not
the same capacity as the replacement ink tanks specified here.
** The maximum printable length varies depending on the
application, OS, and RIP used. The maximum printable length
from Printer Driver 2007 is 50 feet.
*** For Adobe Photoshop 6, 7, CS, CS2, running Windows 2000/XP
or Macintosh OS 9.1 or OS X 10.2/10.3/10.4
† For Digital Photo Professional version 2.1 or later running
on Windows 2000/XP or Macintosh OS X 10.2/10.3/10.4
▪ Windows 2000/XP/2003 Server
▪▪ Not compatible for Windows Vista 64-bit and Macintosh
▪▪▪ For imagePROGRAF Printer Driver 2007. For printing
from PostScript applications such as Adobe Illustrator or
QuarkXPress, please use a PostScript compatible RIP package.
For a list of Canon recommended RIP packages, please consult
with Canon Alliance and Industry Market program
list of RIP vendors.

Note: Printer output samples simulated.

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0101W102
0710R-iPF5100-PDF-IH

LUCIA ink

L-COA

FINE
Full-photolithography Inkjet
Nozzle Engineering

ALWAYS ASK FOR GENUINE
TONER · PARTS & SUPPLIES

generation green

energy
ENERGY STAR