For those who expect more from a large-format printing system, Canon’s new line-up of 12-color, high-speed, high-resolution solutions are optimized to produce exquisite images for the Fine Art, Photography, and Proofing markets.

Color consistency across all these new printers is achieved with a color management system that includes a new multi-sensor, an optional Spectrophotometer unit for the iPF6450 printer, and a color calibration management utility to manage multiple printers at once.

Introducing the 60” iPF9400, 44” iPF8400, and 24” iPF6450/6400 large-format printers.

This expanded line-up is ideal for helping dedicated artisans and demanding graphic professionals achieve extraordinary results.

imagePROGRAF iPF9400: This 60”-wide powerhouse system prints incredible eye-popping images, is ideal for large Giclée prints, can print up to 60” borderless, and includes a media take-up roll that supports long print runs.

imagePROGRAF iPF8400: This highly versatile large-format printing system delivers high-quality photo and fine art printing on media up to 44” wide. Enhancements provide exceptional quality with smooth gradations and prints at faster print speeds than the previous model.*

imagePROGRAF iPF6450/6400: These 12-color, 24”-wide solutions are optimal for proofing, photography, and fine art printing. The iPF6450 printer, with a built-in 250GB hard drive, has the option to add an onboard Spectrophotometer (iPF6450 only), for advanced color management, including the ability to obtain color consistency across multiple iPFX400 Series printers.

* As compared to iPF9100.
12-COLOR LUCIA EX INK SET
Canon’s LUCIA EX ink technology offers sophisticated photographic expression with its brilliant range of vibrant colors, smooth gradations, and incredibly fine details. This ink set also has better scratch resistance and reduced bronzing than previous ink.

LARGE-CAPACITY INK TANKS WITH A SUB-INK TANK SYSTEM
The 24” printers now have the capability to utilize 300ml ink tanks, which more than double the capacity of the standard 130ml ink tanks. The 44” and 60” printers have an option for 330ml and 700ml sizes! The sub-ink tank system now available on these new printers gives the user the ability to change tanks without stopping the print run.

NEW CREATIVE WORKFLOW SOFTWARE SOLUTIONS
A new feature has been added that can be accessed via the popular Adobe® Photoshop® program. This new Plug-in gives users the ability to easily create gallery wrap prints for framing, and also includes creative options.

The new Adjustment Pattern Setting feature in the Print Plug-in for Adobe Photoshop gives users the capability to choose the printed output color that most closely matches what they need.

The Color Calibration Management Console program for the centralized management of networked printers in a system allows users to manage, share, and link their color data, ensuring color consistency between printers.

NEW MULTI-SENSOR
A new multi-sensor has been incorporated into these iPF models for improved density detection accuracy over the previous printers.* The new sensor, along with the included software, will help achieve color consistency across all these new iPF 12-color models.

FASTER PRINT SPEEDS
All imagePROGRAF printers are engineered with speed in mind. While improving image quality, the speed of all the new iPF 12-color printers has been increased, providing a shorter print time and increasing production while maintaining exceptional print quality.

OPTIONAL SU-21 SPECTROPHOTOMETER FOR iPF6450 PRINTER
Create proofs with confidence and improve efficiency by automating your color management workflow.

* As compared to iPFX100 and iPFX100 Series.
COLOR QUALITY

Canon’s LUCIA EX ink set, available across the new 24”, 44”, and 60” models, is designed for dramatic photographic expression as well as detailed color reproduction for exacting proofing applications. This ink offers a brilliant range of vibrant colors, smooth gradients, and incredibly fine details. This specially formulated ink also offers better scratch resistance, **superb black reproduction**, and exceptional color stability compared to its predecessor.

Increased image manipulation options have been added to the included software, giving users the ability to be even more creative in their final output. New **Tint and Tone** controls over the four monochromatic shades allow users to create even more expressive blacks with smoother gradations, especially in dark areas.

For discriminating photographers who realize that their carefully crafted input is only a part of the final output, Canon supplies them with seamless **Input-to-Output** solutions. The included Print Plug-ins for Adobe Photoshop and Digital Photo Professional enable 16-bit image processing to dramatically improve the final output. Canon’s two advanced, one-inch print-heads output a superfine 4pl ink droplet at up to a full 2400 x 1200 dpi resolution to help reproduce details with superior accuracy and clarity.

NEW ADJUSTMENT SETTINGS

New controls have been added to the Printer Driver and the Print Plug-in for Photoshop to give users increased control over their output. The new Tone control in the **monochrome photo mode** includes adjustments for the following:

- Soft Tone
- Middle Tone
- Medium Hard Tone
- Hard Tone
- Strong Hard Tone

A preview is available showing how the image is being changed.

Tint control has been added to the Print Plug-in for Photoshop. This new option gives users the ability to affect the white space on an image to improve gloss control of a black-and-white image.

ENHANCED PROCESSING SPEEDS

The printing process for printing on glossy and proofing paper is now optimized for faster output while maintaining high print quality. In the Highest quality mode, the printing speed has been approximately **doubled** compared with that of previous models, and approximately **10%** faster in other modes.
PRINT QUALITY

COLOR ACCURACY
Color Accuracy refers to a device’s ability to not only reproduce colors the same way every time, but also ensure that the color’s output is, in fact, the color that’s required in the image. The new imagePROGRAF 12-color printers include an upgraded, built-in multi-sensor designed to offer even more precise calibration and color matching. Automatic color calibration is finished quickly after a few simple steps on the printer’s operation panel. A single color calibration performed with one type of media can be applied to media in all printing modes.

COLOR CONSISTENCY
Color Consistency is a device’s ability to produce and reproduce colors without a shift or change in tone, hue, or density. An image printed on a device that’s producing colors consistently will always look the same any time that image is printed on that device on the same media in the same mode. Canon includes the multi-sensor to help ensure color accuracy and consistency for a single printer when more than one is being used in a printing environment.

OPTIONAL SPECTROPHOTOMETER FOR iPF6450
As an optional add-on to the iPF6450 printer, the SU-21 spectrophotometer is essential for anyone who’s looking for efficiency in the proofing industry. This easy-to-install solution attaches onto the front of the iPF6450 printer and provides the foundation for an advanced color management system.

The SU-21 spectrophotometer device includes:

• A fully automated mobile carriage for the sensor, allowing for media of different thicknesses to be loaded and used with this device.

• A single-piece backing plate that’s unique to Canon’s device and has a black and a white side on it.

• User-switchable UV blocking filter that can be switched on and off according to paper type; no need to purchase individual sensors for each stock.

• Scan speed of 10 inches per second.

• The ability to generate color calibration charts is possible for third-party-media, allowing users to expand their workflow options.

• Conforms to 2010 XRGa measurement standard.

COLOR CALIBRATION MANAGEMENT CONSOLE
The Color Calibration Management Console (CCMC) allows for centralized management of networked printers in a system from one easy-to-use software tool. This unique feature enables color calibration targets created using the iPF6450 printer with the optional SU-21 spectrophotometer that can be linked across the entire line of new 12-color imagePROGRAF devices. A printer’s administrator can monitor and manage each printer from a remote location. Linking color calibration targets among multiple printers allows color calibration for custom media to be performed on printers not equipped with a SU-21 spectrophotometer unit.
CREATIVE AND WORKFLOW SOLUTIONS IN THE BOX

SOFTWARE SOLUTIONS
Canon includes innovative software that will help you expand your creative process as well as manage your printing process, resulting in beautiful output with an eye on the bottom line.

- **Print Plug-in for Adobe Photoshop:** Expands creative and processing options for the photographic professional—for higher quality levels than what the traditional printer driver can offer.
  - *New! Gallery Wrap Feature:* This feature not only gives users the ability to easily create gallery wrap prints for framing, but also includes creative options that will expand output possibilities.
  - *New! Adjustment Pattern Setting:* Print multiple versions of an image with different color settings in order to choose the color that most closely matches what you need.

- **Print Plug-in for Microsoft Office (PC only):** Print posters, spreadsheets, and banners quickly and easily directly from Microsoft® Excel, PowerPoint®, and Word® applications.

- **Free Layout Tool:** Edit the placement and scaling of files and be able to group and print files from different applications as a single job, right from the Printer Driver—no third-party software is needed!

- **PosterArtist Lite (PC only):** Use this template-driven poster creation software to create professional posters, banners, and signage in just four easy steps!

- **Media Configuration Tool:** Allows for new Canon and custom media profiles to be imported into the printer, giving users more flexibility in media choices.

- **Print Plug-in for Digital Photo Professional:** Software designed specifically for your Canon camera to help bring your professional photo production to the next level with the ability to work with RAW files.

- **Remote User Interface:** Have the ability to remotely access your iPF printer and receive any notifications, as well as check on the printer’s status and diagnose problems.

* Included in 24” and 44” models only.
**Print Heads**

PF-05 (2)

**Technology**

FINE (Full-pHotolithography Ink-jet Nozzle Engineering)

**Print Resolution (Max.)**

Up to 2400 x 1200 dpi

**Ink Type**

LUCIA EX Ink (Pigment-based)

**Ink Tank**

- PF-106 (130ml): BK, MBK, C, M, Y, PC, PM, GY, PGY, R, G, B
- PF-206 (300ml): BK, MBK, C, M, Y, PC, PM, GY, PGY, R, G, B

**Colors**

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

**Ink Tank Shipped with Printer**

12 Colors (90ml Starter Tank Each Color)

**Hard Disk Capacity**

- iPf6450: 250GB
- iPf6400: N/A

**Printer Memory**

384MB

**Media Feed**

- Top-loading Roll Feed: One Roll, Front Output
- Top-loading Manual Feed: One Sheet, Front Output
- Front-loading Manual Feed: One Sheet, Front Output

**Media Width**

8” – 24” (Cut Sheet and Roll)

**Minimum Media Length**

- Top-loading Roll Feed: 8” (203mm)
- Top-loading Manual Feed: 11.0” (279mm)
- Front-loading Manual Feed: 13.8” (350mm)

**Maximum Print Length**

- Manual Feed: 63” (1.6m)
- Roll Feed: 59” (18m)
- Front-loading Manual Feed: 36” (914mm)

**Borderless Printing Widths (Roll Media Only)**

- 10” (254mm)
- 11” (279mm)
- 13” (330mm)
- 17” (432mm)
- 19” (483mm)
- 24” (610mm)
- 25” (635mm)
- 26” (660mm)
- 30” (762mm)
- 36” (914mm)
- 48” (1219mm)
- 59” (1499mm)
- 63” (1600mm)
- 60” (1524mm)

**Power Supply**

AC 100-240V (50-60Hz)

**Power Consumption**

- Maximum: 1000W or Less
- Standby: 100W or Less
- Power Off: .5W or Less (compliant with executive order)

**Certifications**

- UL, FCC Class B, ENERGY STAR®

**Operational Environment**

- Temperature: 59 – 86 °F (15 – 30 °C)
- Relative Humidity: 10 – 80% (No Condensation)
- Dimensions with Stand (H x W x D): 39.4” x 48.3” x 34.3”
- Weight: Approx. 154 lb.

**User-Replaceable Items**

- Print-Head (PF-05)
- Maintenance Cartridge (MC-16)

**Options**

- Roll Holder Set RH2-25
- PosterArtist (PC Only)

**Optional SU-21 Spectrophotometer for iPf6450**

- Model: X-Rite SU-21
- Color Measurement Width: 490mm
- Max. Media Thickness: 0.50mm
- XRGa Compliant: Yes
- ISO 13655 Compliant: Yes
- User Switchable UV Filter: Yes
- White/Black Backing: Included on One Strip

**Support for Third-party RIPs**

- Most Leading Third-party RIPs

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* The maximum printable length varies depending on the application, OS, and RIP used. The maximum printable length from Canon Printer Driver is 50 feet.

** For Adobe Photoshop 6, 7, CS, CS2, CS3, CS4 running on Windows 2000/XP/Windows Vista (32 bit)/Windows 7 or Macintosh OS X 10.2/10.3/10.4/10.5/10.6.

*** For Digital Photo Professional version 2.1 or later running on Windows 2000/XP/Windows Vista (32 bit)/Windows 7 or Macintosh OS X 10.2/10.3/10.4/10.5/10.6.

* For imagePROGRAF Printer Driver. 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.
# imagePROGRAF PROGRAF SPECIFICATIONS

<table>
<thead>
<tr>
<th>Print-Heads</th>
<th>PF-05 (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>FINE (Full-photolithography Ink-jet Nozzle Engineering)</td>
</tr>
<tr>
<td>Print Resolution (Max.)</td>
<td>Up to 2400 x 1200 dpi</td>
</tr>
<tr>
<td>Ink Type</td>
<td>LUCIA EX Ink (Pigment-based)</td>
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<tr>
<td>Ink Tank</td>
<td>PFI-306 (330ml): BK, MBK, C, M, Y, PC, ink tank</td>
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**Colors:** 
- Cyan, Photo Cyan, Magenta, Photo Magenta, Yellow, Black, Matte Black, Gray, Photo Gray, Red, Green, Blue

**Ink Tank Shipped with Printer:** 
- 12 Colors (Full 330ml Each Color)

**Hard Disk Capacity:** 250GB

**Printer Memory:**
- iPf9400: 640MB
- iPf8400: 384MB

**Media Feed**
- Front-loading Roll Feed: One Roll, Front Output
- Front-loading Manual Feed: One Sheet, Front Output

**Media Width**
- iPf9400: Cut Sheet: 8" – 60" Roll Feed: 10" – 60"
- iPf8400: Cut Sheet: 8" – 44" Roll Feed: 10" – 44"

**Minimum Media Length:** 8" (203mm)

**Maximum Print Length**
- Manual Feed: 5.2' (1.6m)
- Roll Feed: 59" (1.6m)*

**Borderless Printing Widths (Roll Media Only)**
- iPf9400: 10'1"/14'/17'/24'/36'/42'/44'/50'/60'/72" (20.28'/565mm)/A1 (23.38'/694mm)/A0 (33.11'/841mm)/B0 (40.55'/1030mm)
- iPf8400: 10'1"/14'/17'/24'/36'/42'/44'/B2 (20.28'/565mm)/A1 (23.38'/694mm)/A0 (33.11'/841mm)/B0 (40.55'/1030mm)

**Printer Stand**
- Standard

**Media Thickness**
- Front-loading Manual Feed: 0.07mm - 0.8mm (2.8mil - 31.4mil)
- Front-loading Roll Feed: 0.07mm - 0.8mm (2.8mil - 31.4mil)

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

**Printable Margins**
- Manual Feed (Front): Leading and Left/Right Edges: 0.20" (5mm)
- Roll Feed: All Sides: 0.20" (5mm) or 0" for Borderless

**Maximum Media Roll Outer Diameter:** 5.9" (150mm)

**Bundled Software**
- Printing Software: Canon Printer Driver, Print Plug-in for Photoshop, Print Plug-in for Microsoft Office
- Applications: PosterArtist Lite (iPF8400 only)
- Utilities: imagePROGRAF Status Monitor (Windows®), Print Monitor (Macintosh®), Media Configuration Tool, Remote UI, Accounting Manager, Color Calibration Management Console

**Printer Language**
- GARO (Canon Proprietary)

**Operating System**
- Windows XP (32/64-bit), Server 2003 (32/64-bit), Windows Vista® (32/64-bit), Windows 7, 8, 8.1, 10
- Macintosh® OS X 10.6 – 10.8

**Interface**
- Standard: USB 2.0 High-Speed 10/100/1000Base-T/TX

**Acoustic Noise**
- iPf9400: Operation: 68dB or Less
- iPf8400: Operation: 50dB or Less

**Power Supply**
- AC 100-240V (50-60Hz)

**Power Consumption**
- Maximum: 1900W or Less
- Standby: 100-120V, 50W or Less
- Power Off: 5W or Less (compliant with executive order)

**Certifications**
- UL, FCC Class B, ENERGY STAR®

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

**Dimensions with Stand (H x W x D)**
- iPf9400: 45" x 90.5" x 30.2"
- iPf8400: 45" x 74.5" x 38.4"

**Weight**
- iPf9400: Approx. 362 lb.
- iPf8400: Approx. 316 lb.

**User-Replaceable Items**
- Print-Head (IF-PF-05)
- Maintenance Cartridge (MC-08)

**Options**
- iPf9400: Roll Holder Set RH2-6, Basket BU-01
- iPf8400: Roll Holder Set RH2-44
- Take Up Unit TU-06, PosterArtist (PC only)

* The maximum printable length varies depending on the application, OS, and RIP used. The maximum printable length from Canon Printer Driver is 50 feet.

**For Adobe Photoshop 6, 7, CS, CS2, CS3, CS4 running on Windows 2000/XP/Windows Vista (32 bit)/Windows 7 or Macintosh OS X 10.2/10.3/10.4/10.5/10.6.

**For Digital Photo Professional version 2.1 or later running on Windows 2000XP/Windows Vista (32 bit)/Windows 7 or Macintosh OS X 10.2/10.3/10.4/10.5/10.6.

**For imagePROGRAF Printer Driver. 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.

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