Canon

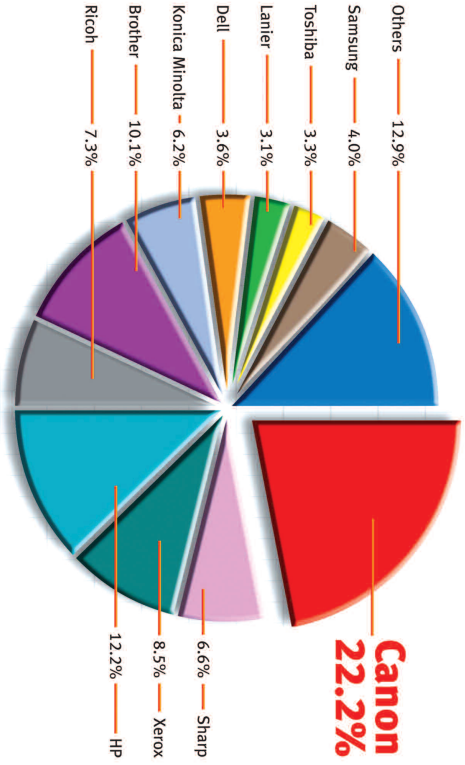
imagePROGRAF®
iPF610

iPF610

GENERAL USE and CAD

LARGE-FORMAT PRINTING

2005 TOTAL MONOCHROME AND COLOR COPIER MARKET SHARE



Introducing the imagePROGRAF iPF610 printer

A new 24" large-format printer built by Canon for the way you work

From Canon, a world leader in office imaging systems and ink-jet printing technology, comes the imagePROGRAF iPF610 printer—a highly versatile printing solution designed to enable all levels of users to produce spectacular full-color, large-format graphics.

The iPF610 printer is an all-purpose large-format printing solution that's ideal for businesses, schools, architects, engineers, and other professionals who want to easily create, process, and print full-color presentations, signs, posters, renderings, CAD drawings, GIS maps, and other large-format graphics.

iPF610 Features

Why settle for anything less?
The iPF610 printer includes everything you need.

HIGH-QUALITY PRINTING

- High-resolution 2400 x 1200 dpi output
- Fine lines with Canon's 5-color dye/pigment Reactive Ink technology

MAXIMUM PRODUCTIVITY

- High-speed output – print a full-color 2' x 3' fast!
- A super high-density print-head with 15,360 nozzles

VERSATILITY

- Point-and-click software solutions from Canon make printing your own posters, presentations, and signs easy.
- Print CAD and GIS applications with the HDI driver and direct printing support for HP-GL/2 and HP RTL documents.

EASY TO USE

- Quiet operation and convenient media feed options
- A large LCD panel provides better visibility and more information

iPF610

BIGGER IS BETTER—NOW IT'S EASIER TOO!

The iPF610 printer is a complete large-format printing solution designed to help all levels of users do more—better, faster, and more efficiently. To help you, an array of workflow solutions is available with the iPF610 printer.* Expand your capabilities and simplify operation.

- **Canon Printer Driver**
  Intuitive operation with Easy and Advanced settings
- **Web-Link**
  Point-and-click access to applications and information
- **PosterArtist**** (optional)
  A template-based poster design software package

PRINT WHAT YOU WANT—HOW YOU WANT IT

Office documents come in all sizes and formats, from photos, graphics, and charts to Microsoft® files. The versatile iPF610 printer is equipped to help you compose, edit, and enlarge these documents, whether you have the application file or just a printed original. The Free Layout feature** enables digital documents of different file formats to be composed onto a single page, edited and printed together. Or you can enlarge documents directly from a printed original by integrating the iPF610 printer with a Canon imageRUNNER® device with Universal Send. The result is a seamless scan-to-print workflow.

SPEED WITHOUT SACRIFICE

In today's business environment, tight deadlines have become the norm. The high-speed iPF610 printer will help you beat the clock and stay ahead of the curve. The high-density print-head with 15,360 nozzles ejects more ink with every pass so high-resolution 2400 x 1200 dpi images can be produced faster in every print mode.

OFFICE COMPATIBLE AND READY TO WORK!

With low power consumption, easy media feed options, and quiet operation, the network-ready iPF610 printer is an out-of-the-box large-format printing solution designed to fit comfortably into virtually any office environment.

* Please see specifications page for OS compatibility.
** PC only

iPF610

imagePROGRAF® iPF610

SPECIFICATIONS

Print-Head
PF-03

Technology
FINE (Photolithography Inkjet Nozzle Engineering)

Print Resolution (Max.)
2400 x 1200 dpi

Line Accuracy*
±0.1% or Less

Minimum Line Weight**
0.02mm

Number of Nozzles
Matte Black: 5,120 Nozzles
Other Colors: 2,560 Nozzles per Color

Droplet Size
4 Picoliter

Nozzle Pitch (Head Resolution)
1200 dpi x Two Rows

Print Head Swath
1.07 inch

Ink Type
Dye
Cyan (C), Magenta (M), Yellow (Y),Black (K)
Pigment
Matte Black (MBK)

Ink Tank
PFI-102

Ink Tank Capacity***
130ml per Color

Number of Colors
5

Ink Supply Method
Tubing System

Nozzle Recovery System
Non-firing Nozzle Detection and Compensation

Printer Controller
L-COA Controller

Printer Memory
256MB

Media Feed
Top-loading Manual Feed, Front-loading Manual Feed, Cassette, Top-loading Roll Feed

Media Width
Roll Feed, Manual Feed
8" – 24" (203mm – 610mm)
Cassette
8" – 17" (203mm – 432mm)

Printable Margins
Roll Feed
All Sides: 0.12" (3mm) or 0" for Borderless
Cassette
All Sides: 0.12" (3mm)
Manual Feed
Left, Right, Trailing: 0.12" (3mm),
Leading: 0.90" (23mm) or 0.12" (3mm)

Minimum Printable Media Length
Roll Feed
8.0" (203mm)
Cassette
11.0" (279mm)
Top-Loading Manual Feed
11.0" (279mm)
Front-Loading Manual Feed
20.5" (520mm)

Maximum Print Length†
Roll Feed
59' (18m)
Cassette
23.4" (594mm)
Manual Feed (Top)
5.2' (1.6m)
Manual Feed (Front)
36.0" (914mm)
Cassette Capacity (Plain Paper)
250 Sheets (Letter)
100 Sheets (up to 13" x 19")
50 Sheets (up to 17" x 22")

Borderless Printing Widths (Roll Media Only)
10", 13", 14", 16", 17", 24", B4 (10.12"/257mm), A2 (16.54"/420mm), B2 (20.28"/515mm), A1 (23.38"/594mm)

Media Cutter
Durable Rotary Blade

Media Thickness
Cassette
0.08 – 0.3mm (3.2 – 11.8mil)
Top-Loading Manual Feed
0.07 – 0.8mm (2.8 – 31.4mil)
Front-Loading Manual Feed
0.5 – 1.5mm (19.6 – 59.0mil)
Roll Feed
0.07 – 0.8mm (3.2 – 31.4mil)

Media Core Sizes
2" or 3" Core (2/3" Core Adapter Included)

Maximum Roll Outer Diameter
5.9" (150mm)

Software
Printing Software
imagePROGRAF Printer Driver, HDI Driver for AutoCAD/ AutoCAD, LT 2000–2008,†† Printer Driver Extra Kit††† (Free Layout, imageRUNNER Linking Function)
Utilities
Media Configuration Tool
Applications
Digital Photo Front-Access, GARO Device Setup Utility, Poster Artist (optional)

Device Status
GARO Status Monitor, Remote UI

Printer Language
GARO (Canon Proprietary), HP-GL/2, HP RTL

Operating Systems ▪
Windows® 2000/XP/Windows Vista®
Macintosh® OS 9/10 (PowerPC or Intel)

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

Acoustic Noise
Operation
52dB (A) or Less
Standby
35dB (A) or Less
Acoustic Power
6.6 Bels or Less

Power Supply
AC 100–120V (50-60Hz)

Power Consumption
Maximum
100W or Less
Standby
5W or Less (10W or less when IEEE1394 is mounted)
Power Off
1W or Less (Executive Order Compliant)

Certifications
UL®, FCC Class B, ENERGY STAR®

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

Dimensions (H x W x D)
39.3" x 39" x 38.4"
(997mm x 991mm x 989mm)

Weight (with Stand)
Approx. 149.9 lb. (68kg)

Options
IEEE1394 Expansion Board (EB-05)
Roll Holder Set (RH2-24)
PosterArtist

User Replaceable Items
Print Head (PF-03)
Ink Tanks (PFI-102)
Maintenance Cartridge (MC-16)

What's In The Box
Printer, User Software CD (Printer Driver, HDI Driver, Utilities), Application CDs, 6 Starter Ink Tanks (MBK x 2, Cyan, Magenta, Yellow, Black), 2" Core Media Spool with 3" Adapter, Print-Head, Maintenance Cartridge, Media Cutter, Built-in Ethernet/USB 2.0 Interface, Quick Setup Guide (Poster), Printer Reference Guide (Booklet), Power Cord, One-Year Onsite Warranty, Registration Card, Stand, Basket, Hardware (For Setting Up the Stand)

* After user adjustment and under the same environmental conditions. Applies to media for line drawing only.
** Theoretical value based on data resolution.
*** 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.
†† For AutoCAD or AutoCAD LT 2000/2000i/2002/2004/2005/2006/—2007/2008
††† Windows 2000/XP/2003 Server and for Macintosh, Auto Layout, and imageRUNNER Linking Function
▪ For imagePROGRAF Printer Driver 2008. 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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L-COA
FINE Full-photolithography Inkjet Nozzle Engineering
generation green
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