

Canon

 **imagePROGRAF®**
iPF710

iPF710

TECHNICAL DOCUMENTS

LARGE-FORMAT PRINTING



Introducing the imagePROGRAF iPF710 printer

The 36"-wide large-format printer for
technical documents and general use



Canon, a world leader in office imaging systems and ink-jet printing technology, raises the bar for professional printing with the iPF710 printer—a powerful print solution designed to meet the speed and precision requirements for Computer-Aided Design (CAD), Mechanical CAD (MCAD), Electrical and Electronic CAD (ECAD), and Geographic Information Systems (GIS) applications, with versatility to handle all-purpose, office applications.

Fast and user-friendly, the iPF710 printer makes it easier than ever to produce a wide range of large-format documents—from the most intricate technical drawings to presentation renderings, posters, and signs.

What makes the iPF710 the best printer for you?

HIGH-QUALITY PRINTING

- High-resolution output up to 2400x1200 dpi, 4-picoliter ink droplets
- Pigment Matte Black ink for durable line drawings and text

MAXIMUM PRODUCTIVITY

- Print a high-resolution 10 ft.² (A0)-sized line drawing in just 55 seconds!*
- Long-life, super-high-density print-head with 15,360 nozzles

VERSATILITY

- One printer handles detailed technical documents and full-color graphics
- Direct printing support for HP-GL/2 and HP RTL documents

EASY-TO-USE

- Large LCD panel provides better visibility and more information.
- Link to user manuals, product information, and software applications with a single click

* [SCID N5 ("bicycle")] OS: Windows® XP SP2, CPU: Pentium® 4 3.2GHz, RAM: 1GB, Application: Adobe® Photoshop® 7.0, Interface: USB 2.0 Hi-Speed, Output image size: A0 (827 x 1033.8mm); A1(580 x 724.9mm). Measured by Canon Inc. Each print time does not include data transfer time. The print speed may vary depending on the data volume and size, PC, application, software, and interface.

iPF710

FEATURES



HIGH-SPEED LINE DRAWINGS, TEXT, AND GRAPHICS

With two channels of Matte Black ink, the iPF710 printer achieves extraordinary print speeds. Now you can produce high-resolution, complex line drawings and text intensive documents at up to 337 ft.²/hr.[▲] or print check plots at speeds up to 659 ft.²/hr![▲]

A HIGHER DEGREE OF PRECISION

In technical document printing applications, every detail counts. With 2400 x 1200 dpi output, the iPF710 printer easily produces fine lines, curves, small characters, and gradations with precision.

HARDWORKING AND BUILT TO LAST

Designed for precision and productivity, the iPF710 printer features print-heads with 15,360 nozzles—more than any other CAD printing system on the market.

ADVANCED WORKFLOW SOLUTIONS

The iPF710 printer offers a variety of page setup, print management options,

and advanced workflow solutions for all levels of users, including:

- **Canon Printer Driver 2007*** for Windows® and Macintosh® systems provides intuitive operation with Easy and Advanced settings.
- **HDI Driver**** converts line drawing data directly from AutoCAD® for accurate renderings and fast processing speeds.
- **Digital Photo Front-Access***** software provides a utility for importing, editing, layout, and printing photos easily for large-format output.
- **Web Link** is accessible from all imagePROGRAF utilities. It's the fastest, easiest way to access Canon product manuals, connect to external Web sites, and share information.
- **PosterArtist 2007***** (optional) Canon software for PCs that makes it easy to create impressive, large-format posters, signage, and banners.



[▲] [SCID N5 ("bicycle")] OS: Windows XP SP2, CPU: Pentium® 4 3.2GHz, RAM: 1GB, Application: Adobe® Photoshop® 7.0, Interface: USB 2.0 Hi-Speed, Output image size: A0 (827 x 1033.8mm); A1(580 x 724.9mm). Measured by Canon Inc. Each print time does not include data transfer time. The print speed may vary depending on the data volume and size, PC, application, software, and interface.

* Operating Systems: Windows 98SE/Me/2000/XP/2003 Server, Windows Vista®, Macintosh OS 9.1/10.2/10.3/10.4 (Power PC or Intel®)

** For AutoCAD or AutoCAD LT 2000, 2000i, 2002, 2003, 2004, 2005, 2006, 2007

*** PC only. Windows 2000/XP/Windows Vista

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 NozzlesMatte 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) – Two Channels

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

Front-loading Manual Feed, Rear-loading Roll Feed

Media Width**Roll Feed**

10" – 36" (254mm – 914.4mm)

Cut Sheet

8" – 36" (203.2mm – 914.4mm)

Printable Margins**Roll Feed**

All Sides: 0.12" (3mm) or 0" for Borderless

Minimum Printable Media Length**Roll Feed**

8.0" (203mm)

Maximum Print Length†**Roll Feed**

59' (18m)

Cut Sheet (Top)

5.2' (1.6m)

Borderless Printing Widths (Roll Media Only)10", 14", 16", 24", 36",
B2 (20.28"/515mm), A1 (23.38"/594mm),
B1 (28.66"/728mm), A0 (33.11"/841mm)**Media Cutter**

Durable Rotary Blade

Media Thickness**Roll Feed**

0.07 – 0.8mm (2.8 – 31.4mil)

Cut Sheet

0.07 – 0.8mm (2.8 – 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 2007, HDI Driver for
AutoCAD®/AutoCAD LT 2000–2008,†† Printer Driver
Extra Kit ■ (Free Layout, imageRUNNER Linking Function)**Utilities**

Media Configuration Tool

ApplicationsDigital Photo Front-Access, GARO Device Setup Utility,
PosterArtist 2007 (optional)**Device Status**

GARO Status Monitor, Remote UI

Printer Language

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

Operating Systems*Windows 2000/XP/Server 2003/Windows Vista
Macintosh OS 9/10 (PowerPC or Intel)**Interface****Standard (Built-in)**

USB 2.0 Hi-Speed, 10/100Base-T/XT

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 100–240V (50–60Hz)

Power Consumption**Maximum**

140W or Less

Standby5W 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)

Printer Dimensions (H x W x D)59.3" x 34.3" x 43.1"
1507mm x 871mm x 1094mm**Weight (with Stand)**Approx. 141 lb.
64kg**Options**IEEE1394 Expansion Board (EB-05)
Roll Holder Set (RH4-32)
PosterArtist 2007**User Replaceable Items**Print-Head (PF-03)
Ink Tanks (PFI-102)
Maintenance Cartridge (MC-07)
Cutter Blade (CT-05)**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 and for Macintosh,
Auto Layout, and imageRUNNER Linking Function▲ 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.


imageANYWARE

1-800-OK-CANON

www.usa.canon.com

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042

As an ENERGY STAR® Partner, Canon U.S.A., Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. Adobe Photoshop, PostScript, and Illustrator are registered trademarks of Adobe Systems Incorporated in the United States and/or other countries. AutoCAD is a trademark of Autodesk, Inc. in the United States. Macintosh is a registered trademark of Apple Computer, Inc. Windows and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries. UL is a registered trademark of Underwriters Laboratories Inc. QuarkXPress is a trademark of Quark, Inc. and all applicable affiliated companies, Reg. U.S. Pat. and Tm. Off. and in many other countries. Intel and Pentium are registered trademarks of Intel Corporation or its subsidiaries in the United States and/or other countries. CANON and IMAGEPROGRAF are registered trademarks of Canon Inc. in the United States and may also be registered trademarks or trademarks in other countries. IMAGEANYWARE is a trademark of Canon. All referenced product names and other marks are trademarks of their respective owners.

Specifications and availability subject to change without notice
©2007 Canon U.S.A., Inc. All rights reserved.

