

**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.<sup>2</sup> (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.<sup>2</sup>/hr.<sup>▲</sup> or print check plots at speeds up to 659 ft.<sup>2</sup>/hr!<sup>▲</sup>

### 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.



<sup>▲</sup> [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/X/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

## 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) – 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), AO (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,<sup>††</sup> Printer Driver Extra Kit ■ (Free Layout, imageRUNNER Linking Function)

#### Utilities

Media Configuration Tool

#### Applications

Digital 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/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 100–240V (50-60Hz)

#### Power Consumption

##### Maximum

140W 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)

#### 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.

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