

**Canon**

 **imagePROGRAF®**  
**iPF720/710**

# iPF720/710

**TECHNICAL DOCUMENTS**

LARGE-FORMAT PRINTING



# imagePROGRAF® iPF720 and iPF710 Printers

Built for the way you work



Are you an architect, engineer, construction, or GIS professional who needs to spend more time working and less time waiting? Do you need to print intricately detailed designs, schematics, and renderings with extraordinary accuracy? Do you need to produce more prints in less time than ever before? If so, then these imagePROGRAF large-format printers were built just for you.

#### **imagePROGRAF iPF720 PRINTER**

This powerful printing system for medium- to large-size workgroups has a built-in 80GB hard drive to facilitate multiuser print queues and support data-intensive applications such as GIS maps and architectural renderings.

#### **imagePROGRAF iPF710 PRINTER**

Printing intricate CAD, MCAD, and ECAD designs is fast and easy with this highly versatile large-format printing system.



# iPF720/710



## ARE YOU READY FOR A NEW TECHNICAL DOCUMENTS PRINTING EXPERIENCE?

With world-renown Canon technology at their core, the new imagePROGRAF iPF720 and iPF710 printers take technical document printing to a new level of accuracy and efficiency. These printers are able to produce lines that are just 0.02mm thick within +/- 0.1% accuracy. They can also output a full-color, high-resolution A0-sized (10.76 ft.<sup>2</sup>) plot in just 55 seconds!\*

Designed to maximize printing efficiency for medium- to large-size workgroups, the new iPF720 printer is equipped with an enhanced Remote User Interface (UI) and an extra-large 80GB hard drive. The Remote UI makes sharing the printer more efficient while the high-capacity hard drive enables large print files to be stored and queued at the printer. This means the host computer is freed up faster for less waiting when you need to print.

Balancing the need for a wide color gamut with durable, smudge-resistant prints, Canon's proprietary 5-color Reactive Ink technology is chemically engineered to improve adhesion

with the surface of the media. The results are maps, schematics, and renderings with small fonts that are easy to read on colored backgrounds, and durable images that resist abrasion.

Direct printing of HP-GL/2, HP RTL files and from AutoCAD® with the HDI Driver means you can print directly from the native application. Fewer interruptions make it easier to stay focused on your work and get more done.

Want to do even more with your large-format printer? How about designing and printing your own posters, signs, and banners? PosterArtist Lite poster creation software (for PC only), which is included with the iPF720 printer, makes it easy. Just follow the simple step-by-step on-screen instructions—no design experience is required!

If you've outgrown your aging 36" plotter and are ready for a precision printing solution that's highly productive, extremely practical, and remarkably painless to use, then you're ready for a new imagePROGRAF technical documents printing solution.

\* [SCID N5 ("bicycle") OS: Windows XP SP2, CPU: Pentium4 3.2GHz, RAM: 1 GB, Application: Adobe Photoshop 7.0, Interface: USB 2.0 Hi-Speed, Output image size: A0 (827 x 1033.8 mm); 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.

# Built for PRODUCTIVITY

Print making is a critically important component of the design and development process. However, as important as it is, Canon believes it doesn't need to be time-consuming. Fast, reliable high-quality printing means you can keep projects moving forward, make last-minute changes, and meet critical deadlines. To handle the high demand for large-format prints needed by busy Architects, Engineers, and GIS professionals, imagePROGRAF printers are built for extraordinary productivity.

## LARGE 80GB HARD DRIVE

Send large files directly to the printer without slowing down your workstation. The iPF720 printer's included 80GB hard drive provides extra capacity to store more print job data at the printer. The Remote UI allows access to the password-protected Mail Boxes which helps organize and manage print jobs for multiple users so medium- to large-size workgroups can share the printer more efficiently.

## SEND JOBS DIRECTLY TO THE PRINTER

With direct printing support for HP-GL/2, HP RTL files and an HDI driver for direct printing from AutoCAD, you won't need to exit the native application to make a print.

## L-COA HIGH-SPEED PROCESSOR

This high-speed processor efficiently manages the high volume of data necessary for complex, high-color GIS prints, architectural renderings, and graphic images.

## FULL-COLOR A0-SIZED DRAWINGS IN JUST 55 SECONDS!

A super-high-density print-head with two Matte Black ink channels means that line drawings can be printed fast—up to 659 ft.<sup>2</sup>/hr.\* on plain paper.

## HIGH-RESOLUTION GLOSSY PRINTS AT 118 FT.<sup>2</sup>/hr.!

Photo-quality images print fast, too. Produce a full-color, high-resolution, A0-sized (10.76 ft.<sup>2</sup>) image in under five minutes.



\* [SCID N5 ("bicycle") OS: Windows XP SP2, CPU: Pentium4 3.2GHz, RAM: 1 GB, Application: Adobe Photoshop 7.0, Interface: USB 2.0 Hi-Speed, Output image size: A0 (827 x 1033.8 mm); 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.

## Built for PRECISION

Full photolithography Ink-jet Nozzle Engineering (FINE) technology enables Canon to manufacture a super-high-density print-head with 15,360 nozzles. This large 1.07"-wide print-head ejects tiny droplets of ink across a wide swath to produce exceptional high-definition output—with astonishing speed and precision.

### PRINT LINES JUST 0.02MM THICK

Minuscule 4pl droplets of ink mean thin lines are consistently printed within +/- 0.10% accuracy.

### 2400 x 1200 DPI IMAGING

High-resolution output means printing solid fills, smooth curves, and intricate details.

### 5-COLOR REACTIVE INK TECHNOLOGY

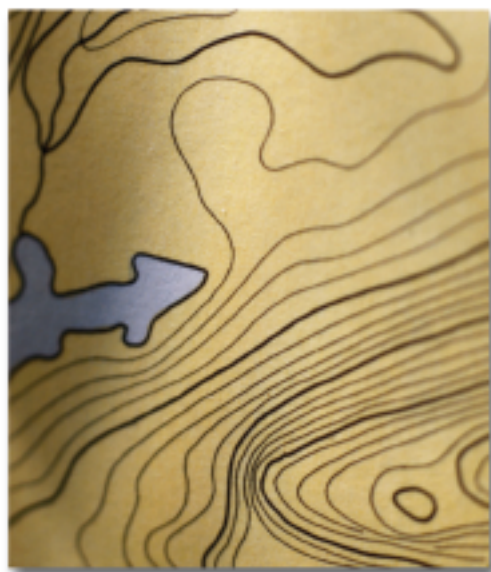
Canon's unique 5-color Reactive Ink technology utilizes four colorfast dye inks plus a pigment matte black. The ink-set is chemically engineered to minimize "bleeding" so that even small text fonts printed on colored backgrounds are crisp and legible.

### COMMUNICATE WITH COLOR

The wide color gamut ink-set means you can render the subtle hues that make complex data and graphics easier to read and understand.

### TWO TYPES OF BLACK INK

Both Pigment Matte Black and Dye Black inks are available at all times, so prints will look great whether on glossy media or uncoated technical papers!



# iPF720/710

# Built to be PRACTICAL

Canon imagePROGRAF large-format printers are reliable, versatile, and cost-effective. With features designed to save ink, reduce maintenance costs, and ensure high-quality output, the iPF720 printer and iPF710 printer are hard-working and built to last.

## **ECONOMY PRINT MODE**

Why waste ink printing drafts and check plots? The selectable Economy Print Mode significantly reduces ink consumption and lowers total printing costs.

## **LONG-LIFE PRINT-HEAD**

The super-high-density print-head—with 15,360 nozzles—ejects ink with extraordinary efficiency and eases the burden on each individual nozzle. This means less wear and tear and longer service life for the print-head.

## **DURABLE, COLORFUL IMAGES**

More durable than conventional inks, Canon's unique 5-color Reactive Ink technology improves the ink's adhesion to the media so full-color maps, schematics, and construction plans hold up better under use.

## **MEDIA OPTIONS THAT MEET YOUR NEEDS**

Canon's full line of media includes a range of options from low-cost uncoated and bond papers to coated, glossy, proofing, matte-coated and photo papers for CAD, MCAD, ECAD, and GIS applications, as well as general office printing.



# Built to be PAINLESS

Easy-to-use software solutions and operator-friendly features make producing prints painless.

## **HDI DRIVER\*\***

Print directly from AutoCAD or AutoCAD LT.

## **CANON PRINTER DRIVER**

Intuitive operation and innovative features such as the Free Layout function, Real Preview, and Copy-Enlargement from an imageRUNNER® device make large-format printing trouble-free for all levels of users.

## **POSTERARTIST LITE\*\***

Included with the iPF720 printer, this Canon software for PCs makes it easy to create impressive, large-format posters, signage, and banners.

## **DIGITAL PHOTO FRONT-ACCESS**

A utility for managing and printing photos.

## **WEB LINK**

The fastest, easiest way to access Canon product manuals, connect with external Web sites, and share information.

## **AUTOMATIC BLACK INK SELECTION**

Based on the type of media being used, the printer will automatically select the right type of black ink for best results, pigment Matte Black for uncoated and technical paper, or Dye Black for glossy media.

## **MEDIA DETECTION SYSTEM**

The automatic media detection and management system warns the user when there's not enough media to complete a print task.

## **EASY MEDIA-SWITCHING**

Make media selections from within the printer driver instead of walking over to the printer to make a change.

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

\*\* Windows 2000/XP

# iPF720/710

## 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

### Hard Drive

80GB (iPF720 only)

### 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<sup>†</sup>

#### 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 <sup>‡</sup> (Free Layout, imageRUNNER Linking Function)

#### Utilities

Media Configuration Tool

### Applications

Digital Photo Front-Access, GARO Device Setup Utility,  
PosterArtist 2008 (optional)  
PosterArtist Lite (iPF720 only)

### Device Status

GARO Status Monitor, Remote UI

### Printer Language

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

### Operating Systems<sup>▲</sup>

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

#### Standby

5W or Less (10W or less  
when IEEE1394 is mounted)

### Power Off

1W or Less (Executive Order Compliant)

### Certifications

UL<sup>®</sup>, FCC Class B, ENERGY STAR<sup>®</sup>

### Operational Environment

#### Temperature

59 – 86 F° (15 – 30 C°)

#### Relative Humidity

10 – 80% (No Condensation)

### Printer Dimensions (H x W x D)

43.1" x 59.3" x 34.3"  
1507mm x 871mm x 1094mm

### Weight (with Stand)

Approx. 141 lb.  
64kg

### Options

IEEE1394 Expansion Board (EB-05)  
Roll Holder Set (RH4-32)  
PosterArtist 2008

### 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<sup>®</sup> applications such as Adobe<sup>®</sup> Illustrator<sup>®</sup>  
or QuarkXPress<sup>™</sup>, 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 at  
[www.usa.canon.com](http://www.usa.canon.com).

**Canon**  
image*ANYWARE*

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0508-iPF720/710-25M-LDM