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 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/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,^{††} 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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