

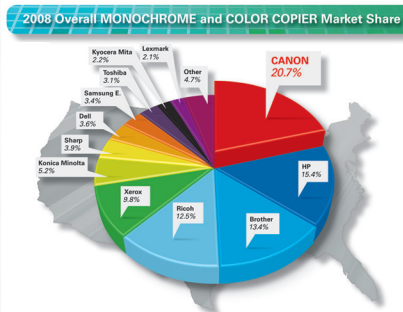
**Canon**

# iPF510

**imagePROGRAF®  
iPF510**



**TECHNICAL  
DOCUMENTS**  
LARGE-FORMAT PRINTING



# iPF510

## SPECIFICATIONS



**Print-Head**  
PF-03

**Technology**  
FINE (Full-Photolithography Ink-Jet 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 (BK)

**Pigment**  
Matte Black (MBK) – Two Channels

**Ink Tank**  
PFI-102

**Ink Tank Capacity\*\*\***  
130ml per Tank

**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**  
192MB

**Media Feed**  
Top-Loading Manual Feed, Front-Loading Manual Feed, Cassette, Optional Top-Loading Roll Feed

**Media Width**

**Roll Feed,\* Manual Feed**  
8" – 17" (203mm – 432mm)

**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**  
10.0" (254mm)

**Top-Loading Manual Feed**  
10.98" (279mm)

**Front-Loading Manual Feed**  
20.5" (520mm)

**Maximum Print Length†**

**Roll Feed\***  
59" (18m)

**Cassette**  
23.38" (594mm)

**Manual Feed**  
Top: 24" (609mm) 63" when roll feed unit is attached  
Front: 36" (914mm)

**Cassette Capacity (Plain Paper)**  
250 Sheets (Letter-Sized), 100 Sheets (up to 13" x 19" Sized), 50 Sheets (up to 17" x 22" Sized)

**Borderless Printing Widths (Roll Media Only)†**  
10", 13", 14", 16", 17", B4 (10.12"/257mm),  
A2 (16.54"/420mm)

**Media Cutter**  
Durable Rotary Blade

**Media Thickness**

**Cassette**  
0.08 – 0.3mm (3.2 – 11.8mil)

**Top-Loading Manual Feed**  
0.07 – 0.8mm (3.2 – 31.4mil)

**Front-Loading Manual Feed**  
0.5 – 1.5mm (19.6 – 59.0mil)

**Roll Feed\***  
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 for Windows/Mac, HDI Driver††, Printer Driver Extra Kit for Windows/Mac (Free Layout, Color imageRUNNER® Enlargement Copy, Advanced Preview), Print Plug-in for Microsoft Word/Excel/PowerPoint for Windows, Digital Photo Front-Access for Windows, PosterArtist Lite for Windows

**Utilities**  
Media Configuration Tool, GARO Device Setup Utility

**Device Status**  
GARO Status Monitor, Remote UI

**Printer Language**  
GARO, 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

**Power Supply**  
AC 100–120V (50-60Hz)

**Power Consumption**

**Maximum**  
100W or Less

**Standby**  
6W or Less  
(7W or less when EB-05 is installed)

**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)**  
12.5" x 32.2" x 28.9" (317mm x 819mm x 733mm)

**Weight**  
Approx. 86 lb. (39kg)

**Options**  
IEEE1394 Expansion Board (EB-05)  
Auto Roll Feed Unit (RU-02)  
Cabinet Stand (CB17-01)  
Roll Holder Set (RH2-11)  
Printer Stand (ST-11)  
Desktop Basket (BU-02)

**User Replaceable Items**  
Print-Head (PF-03)  
Ink Tanks (PFI-102)  
Maintenance Cartridge (MC-05)

**What's In The Box**  
Printer, User Software CD (Printer Driver, HDI Driver, Utilities), Application CDs (PosterArtist Lite, 2), 6 Starter Ink Tanks (MBK x2, Cyan, Magenta, Yellow, Black), 2" Core Media Spool, Print Head, Maintenance Cartridge, Built-in Ethernet/USB 2.0 Interface, Quick Setup Guide (Poster), Printer Reference Guide (Booklet), Power Cord, Registration Card

- \* 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.
- ◆ Requires optional roll feed unit
  - † The maximum printable length varies depending on the application, OS, and RIP used. The maximum printable length from Printer Driver is 50 feet.
  - †† For AutoCAD or AutoCAD LT 2000/2000i/2002/2003/2004/2005/2006/2007
  - Windows 2000/XP/2003 Server and for Macintosh, Auto Layout, and imageRUNNER Linking Function
  - For imagePROGRAF Printer Driver. 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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