WORK WITH **SPEED** AND **PRECISION**

IMAGEPROGRAF IPF780 AND IPF785



The imagePROGRAF iPF780 & iPF785 Large Format printers for CAD and GIS.

Now you can produce consistently impressive quality output up to 36” (A0) with speed and precision. These versatile, easy-to-use models offer a range of clever features designed to enhance productivity for an excellent return on your investment.

At a glance

- 36 inch
- 2400 x 1200dpi
- Min line width 0.02mm
- 5 colour reactive ink
- Optional 300ml bulk ink tanks
- 4pl ink droplet
- Borderless printing
- Economy printing mode

imagePROGRAF

Poster Artist
Design and print your own posters and signs with ease

Flat stacker/basket
Neatly stacks up to 20 A1 prints

Top Loading Media
Space saving design with convenient operation and easy to use

Sub-ink tank system
Ink can be changed without interrupting a print job

Accounting Manager
Software helps keep track of printing costs

Canon

No one does it like you

imagePROGRAF iPF780 and iPF785 Specifications

Item	Specification
Model	iPF780 & iPF785
Class	36-inch
Ink Type	Dye and pigment reactive ink
Maximum Print Resolution	2,400 x 1,200dpi
Dimensions, Weight (Net) W x D x H (mm), (Kg)	
Main unit + Printer Stand (with a basket open)	1,304 (W) x 877 (D) x 1,062 (H) mm(When with basket open) 1,304 (W) x 1,100 (D) x 1,062 (H) mm(When a basket is at the extended position for flatbed stacking) Weight: TBD (approx.68.1kg) (roll holder included, no inks, no print heads)
Dimensions, Weight (Packaged) W x D x H (mm), (Kg)	
Main unit (with a printer stand, basket, and palette included)	1,434 (W) x 1130 (D) x 795 (H) mm; Weight: 113kg
Power Supply	
Input power	AC 100 - 240 V (50-60 Hz)
Power consumption - Operation	140W or less
Power consumption - Standby	5W or less
Power off (standby)	0.5W or less
Operational Environment	
Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
Acoustic Noise	
Acoustic pressure	Operation: approx. 48 dB (A) (Plain paper, Standard printing mode, Line Drawing/Text) Standby: 35 dB (A) or less. Measured in the above conditions, based on ISO 7779
Acoustic power (LWA)	Operation: approx. 6.5 Bels (Plain paper, Standard printing mode, Line Drawing/Text). Measured in the above conditions, based on ISO 7779
Minimal Line Width	
0.02mm (Theoretical value)	
Line Accuracy	
±0.1 % or less. User adjustments necessary. Printing environment and media must match those used for the adjustments. CAD paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only	
Detector and Adjustment	
Registration adjustment	Automatic / Manual
Banding adjustment (Line Feed adjustment)	Automatic / Manual
Line length adjustment	Manual
Head slant adjustment	Automatic / Manual
Colour calibration	No
Head gap adjustment	Automatic / Manual (6 levels)
Non-firing detection	Yes
Non-firing compensation	Yes
Roll media remaining detection function	Yes
Memory	
Standard memory	iPF780 - 256MByte. iPF785 - 32GB (256 Mbyte)
Expansion slot	No
Firmware	
Languages - Printer Language	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL
Languages - Job Control	CPCA
Languages - Status Reply	CPCA, SNMP-MIB (Standard MIB, Canon-MIB)
Type	Flash ROM
Update	Updated from USB, 1394, Ethernet port (Utility use)
Operation Panel	
Display	Large LCD: 160 x 128 dots; Key x 13, LED x 5
Language on operation panel	US-English, Japanese
Languages	US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Russian, Brazilian Portuguese language, Japanese (Kanji)
Hard Disk Drive	
320GB (iPF785 only)	
Interface	
USB - Type	Built-in
USB - Mode	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer
USB - Connector Type	Series B (4 pins)
Ethernet - Type	Built-in
Ethernet - Standard	IEEE 802.3 10base-T, IEEE 802.3u 100base-TX / Auto-Negotiation, IEEE 802.3ab 1000base-T / Auto-Negotiation, IEEE 802.3x Full Duplex, IEEE 802.3az EEE
Ethernet - Protocol	SNMP (Canon-MIB supported), HTTP, TCP/IP (IPv4/IPv6)
Expansion Slot	
No	

Media Handling	
Media Feed and Output - Roll Paper	One Roll, top loading, front output
Media Feed and Output - Cut sheet	Top-feeding, font output (Manual feed using media locking lever)
Media Feed and Output - Paper path switch (roll/cut sheet)	Manually switchable by user
Media Feed and Output - Delivery direction	Face-up, front side
Media Feed and Output - Maximum stacking number of delivered prints	1 sheet: In case of the regular basket position. Approx. 20 sheets: In case the basket is at the extended positions. (Except for the cases where delivered prints are rolled in because of environmental impact and media curls.)
Media Feed and Output - Types of media stackable on the extended basket	Plain Paper / Universal Bond Paper / Canon Premium Plain Paper 80
Media Feed and Output - Usage environment of the extended basket /Image	At normal temperature and normal humidity (15°C 30% - 30°C 60%) / Image: Line drawing (images equivalent to the Cottage.)
Media Feed and Output - Sizes of media stackable on the extended basket	Extended position A:A0 portrait or Width 36" x Length 48"; A1 portrait or Width 24" x Length 36" Extended position B (Flatbed stacking): A1 landscape or Width 36" x Length 24"; A2 landscape or Width 24" x Length 18"
Media Thickness - Roll paper	0.07 - 0.8mm
Media Thickness - Cut sheet	0.07 - 0.8mm
Max. Outside Diameter of Roll Paper	150mm
Media Core Size	Internal diameter of roll core: 2" / 3"
Media Width - Roll paper	254 (10") - 914.4 (36") mm
Media Width - Cut sheet	203.2 (8") - 917 (DIN C0) mm
Min. Regular Format Size (Vertical) - Roll Paper	203.2mm (8")
Min. Regular Format Size (Vertical) - Cut Sheet	279.4 mm (11") Letter size (long side)
Max. Printable Paper Length - Roll Paper	18m (Varies according to the OS and application)
Max. Printable Paper Length - Cut sheet	1.6m (Varies according to the OS and application)
Margins Recommended area - Roll paper	Top: 20mm, Bottom: 5mm, Left and Right: 5mm
Margins Recommended area - Cut sheet	Top: 20mm, Bottom: 23mm, Left and Right: 5mm
Margins Printable area - Roll paper	Top: 3mm, Bottom: 3mm, Left and Right: 3mm
Margins Printable area - Roll paper (borderless printing)	Top: 0mm, Bottom: 0mm, Left and Right: 0mm
Margins Printable area - Cut sheet	Top: 3mm, Bottom: 23mm, Left and Right: 3mm
Borderless Printing - Media width	10" (254mm), B4 (257mm), A3 (297mm), Banner (300mm), 14" (356mm), A2 (420mm), A2+/17" (432mm), B2 (515mm), A1 (594mm), 24" (610mm)

Regulations	Electrical safety regulations	Electromagnetic interface regulations
Australia	RCM	RCM
New Zealand		RCM
Environment certifications		
ENERGY STAR, RoHS directive		
Option		
Roll Holder Set (for both 2-inch and 3-inch core roll media)	RH2-33	
Consumables		
Print Head - Model	PF-04	
Print Head - Type	Bubble-jet on demand	
Print Head - Head configuration	6 colours integrated type (6 chips per print head x 1 print head)	
Print Head - Nozzle pitch	1, 200 dpi x 2	
Print Head - Nozzle per chip	MBK: 5, 120 nozzles, each other colour: 2,560 nozzles	
Print Head - Droplet size	minimum 4pl (per colour)	
Ink Tank - Model	PFI107 - 130ml, PFI207 - 300ml	
Ink Tank - Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)	
Ink Tank - Colours	Matte Black, Black, Yellow, Cyan, Magenta	
Ink Tank - Capacity - Bundled	90 ml per colour	
Ink Tank - Capacity - Sales	130 ml or 300ml per colour	
Ink Tank - Level detection	Detected by dot count and electrode (Empty)	
Ink Tank - Smart chip	Each ink tank is equipped with EEPROM which stores its ink level.	