

COLLABORATE WITH **SPEED** AND *PRECISION*

imagePROGRAF iPF770 MFP



The imagePROGRAF iPF770 MFP
Large Format Multi-Functional
Printer for printing, scanning and
copying of your CAD applications.

Copy and Print technical drawings
up to 36" (A0) size with an easy-to-
use touchscreen interface.

Scan to multiple locations,
including your network, email and
to the cloud to allow you to share
documents the way you want.



imagePROGRAF

Canon

no one sees print like you



Advanced Preview

Edit scanned document before printing to reduce wastage and costs



23" touchscreen input

Large touchscreen for ergonomic and natural input



Direct Print & Share

Canon propriety utility to allow sharing and printing of documents with minimal training and user experience



Sub-ink tank system

Ink can be changed without interrupting a print job



Accounting Manager

Software helps keep track of printing costs

At a glance

- 36" (A0) printing width
- 40" scanning width
- 2400 x 1200dpi
- Min line width 0.02mm
- 4pl ink droplet
- Borderless printing
- Accurate scalable copies



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Printer Specifications



Item	Specification
Model	iPF770
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 ST-34 (with a basket open)	(W)1304 x (D)887 x (H)1062mm (ST-34:When with basket open) (W)1304 x (D)1100 x (H)1062mm (ST-34: When a basket is at the extended position for flatbed stacking) Weight: 64.6kg (ST-34, roll holder included, no inks, no print heads)
Dimensions, Weight (Packaged) W x D x H (mm), (Kg)	
Main unit(with a printer stand ST-34, basket, and palette included)	(W)1434 x (D)1082 x (H)773mm, Weight: 108.0kg
Power Supply	
Input power	AC 100 - 240 V (50-60 Hz)
Operation Power consumption	140W or less
Standby power consumption (At the low power mode)	5W or less
Default setting for the time to enter the Sleep mode	Approx. 5min
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 Δ)	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	256 Mbyte
Expansion slot	No
Firmware	
Languages - Printer Language	GAR0 (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, 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	
No	
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		
Cutter		
Type	Standard: Automatic horizontal cutting (Rotary cutter)	
Media Handling		
Media Feed and Output - Roll Paper	One Roll, top loading, front output	
Media Feed and Output - Cut sheet	Top-feeding, front output (Manual feed using media locking lever)	
Media Feed and Output - Paper path switch (roll/cut sheet)	Manually switchable by user	
Delivery direction	Face-up, front side	
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.)	
Types of media stackable on the extended basket	Plain Paper / Universal Bond Paper / Canon Premium Plain Paper 80	
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.)	
Sizes of media stackable on the extended basket	Extended position A:A1 portrait or Width 24" x Length 36" Extended position B (Flatbed stacking): 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 or less	
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: 20 mm, Bottom: 5 mm, Left and Right: 5 mm	
Margins Recommended area - Cut sheet	Top: 20 mm, Bottom: 23 mm, Left and Right: 5 mm	
Margins Printable area - Roll paper	Top: 3 mm, Bottom: 3 mm, Left and Right: 3 mm	
Margins Printable area - Roll paper (borderless printing)	Top: 0 mm, Bottom: 0 mm, Left and Right: 0 mm	
Margins Printable area - Cut sheet	Top: 3 mm, Bottom: 23 mm, Left and Right: 3 mm	
Borderless Printing - Media width	10" (254 mm), B4 (257 mm), A3 (297 mm), Banner (300 mm), 14" (356 mm), A2 (420 mm), A2+17" (432 mm), B2 (515 mm), A1 (594 mm), 24" (610 mm), B1 (728mm), A0 (841mm), 36" (914mm)	
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	
Stand / Basket	ST-34	
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	600dpi x 2 lines = 1200dpi	
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	PFI-107 (130ml)	
Ink Tank - Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)	
Ink Tank - Colours	Black, Matte Black, Cyan, Magenta, Yellow	
Ink Tank - Capacity - Bundled	90 ml per colour	
Ink Tank - Capacity - Sales	130 ml 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.	

Scanner Specification Comparison*

M 40	
Scan width (inches)	40" (101.6cm)
Document width (inches)	42" (106.7cm)
Body width (inches)	49.2" (124.9cm)
Body depth (inches)	14.4" (36.6cm)
Body height (inches)	7.3" (18.5cm)
Weight	25Kg
CIS Configuration	SingleSensor
Illumination	Full width dual LED illumination
Image quality	Better
Stitch performance	Set in manufacturing (3)
Front/rear exit	Rear (front eject)
Document handling - Face up/down	UP
Document thickness	2.0mm(1)
Paper path	Flat
Optical Resolution (dpi)	1200
Scan speed (inches/sec) 8-bit grayscale & mono @200dpi (2)	13
Scan speed (inches/sec) 24-bit color @200dpi (2)	3.0
Interface USB	3.0 (backward compatible to USB2)
Control panel	Start/Stop, Advance/rewind, ASF (Auto Size Finder) read out

M series notes:

1. Thick documents up to 2mm must be flexible and the paper return guide removed. Some media should be scanned at reduced speeds to obtain optimal image quality. Colortrac cannot guarantee to scan all media. For large media Colortrac recommend the scanner be placed on a flat surface and the operator supports the document as it enters and exits the scanner.
2. The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times and quoted top speeds will depend on the host performance and are not guaranteed for all media types. True 200 x 200dpi image capture. Competitors quote scan speeds using 'Turbo', 'Normal' or 'High Speed' modes that reduce image quality whilst suggesting that scan resolution is doubled. These modes use software interpolation to create 'virtual image pixels' from a lower resolution scan thereby increasing the number of pixels in the scan direction (&/or X-direction) in an attempt to simulate higher image resolution. Colortrac SmartLF scanners are designed to scan images fast at the optimum resolution required to capture the original image detail without compromising quality.
3. The SingleSensor is colour calibrated and accurately aligned to within +/- 0.5 pixel during manufacture. If the scanner is used in a stable, general office environment, scanner calibration and / or alignment may only occasionally be required. Operation in mobile, dusty or variable temperature environments may require more frequent scanner maintenance.

Detailed specifications for M series scanners

Scan modes	16.7 million colour RGB (24-bit) 256 colour RGB adaptive indexed colour palette (8-bit) 256 level greyscale (8-bit) Black & White (1-bit)
Digital image processing	2D Intelligent Adaptive Thresholding (IAT) (1-bit mode) Fixed Threshold Black & White (1-bit mode) (SmartWorks MFP provides additional 'post scan' image processing filters and tools)
Colour space	sRGB (with SmartWorks MFP)
Colour image processing	Gamma, brightness, black & white point adjustment
Media transport system	Straight media path with front entry, rear exit or rewind to front Single driven document hold-up roller Intuitive image up scanning with centre or side document alignment Magnetic media guide to assist in high volume document scanning workflows Automatic Size Finder (ASF) with media width displayed on control panel
SingleSensor digital imaging technology	SingleSensor is a full width straight-line contact image sensor of 50,400 pixels; a Colortrac invention - patent pending. Bi-directional long-life LED light system for optimum object illumination and instant-on scanning capability 48-bit primary point colour image capture 16-bit primary point greyscale image capture Panchromatic Black & White
Scanner operation & status	Centre-lid mounted control panel with LCD media width display for auto size finder with start, stop, forward and rewind buttons Scanner status indicator LED (green, amber, red)
Scan Accuracy	+/-0.1% +/-1 pixel (The achieved scan accuracy may vary depending on the operating environment and the type & thickness of media)
Scanner optics & calibration	Chemically treated, scratch resistant, anti-Newton ring (AG) scan glass Automatic SingleSensor calibration. The SingleSensor is colour calibrated and accurately aligned to within +/- 0.5 pixel during manufacture. If the scanner is used in a stable, general office environment, scanner calibration and / or alignment may only occasionally be required. Operation in mobile, dusty or variable temperature environments may require more frequent scanner maintenance.
Interface	SuperSpeed USB3 with 3 metre USB3 cable (PC connector compatible with USB2 and USB3 sockets) Local power cable
Power requirements & consumption	External power supply 100~240VAC autosensing +/-10%, 50~60Hz Scanner power consumption 53W (scanning), 5W (standby) @ 110V/240V
Environmental/Approvals	RoHS compliant and CE, FCC, VCCI, UL, CB, CCC certification
Operating conditions	100C – 350C, 35% - 80% RH non-condensing
Stands	Stand must be mounted integral to the printer. Scanner tilted towards user. PC and flat screen VESA mounting kit. Screen can be mounted left or right and on a pole or swing arm. Paper Return Guide – curved to redirect flexible scanned documents forward to operator. Can be lifted off when not required or for scanning thick or non-flexible media.

Scanner Disclaimer

- * The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times will depend on host system performance. Quoted top speeds may be limited by the effective bandwidth of the USB2 and is not guaranteed for all media types.
- ** The quoted scan accuracy may vary depending on the operating environment and the thickness of the media.

For information and services

Canon Australia Pty Ltd 1300 363 440 canon.com.au
 Canon New Zealand Ltd 0800 222 666 canon.co.nz

*no one sees print
like you*

