# Large Format Print Solutions ideal for CAD & GIS

iPF650 / iPF655

**you can**

The **imagePROGRAF iPF650 and iPF655** are 24"/A1 large format printers, designed for high quality, outstanding accuracy and productivity for greater return on investment.

**iPF650 / iPF655**

**24** INCH

2,400 X 1,200 DPI

ECONOMY PRINTING MODE

5 COLOURS

A1 30 SECONDS

80GB HDD (iPF655)

15,360 NOZZLES

BORDERLESS PRINTING

## Key Features

- Manage costs and track ROI - Full accounting and eMaintenance software included.
- High capacity basket with stacking functionality to prevent damage to prints.
- Space saving - Unique compact design to fit anywhere.
- User Friendly - Simple roll paper loading system and control of print from the front

- Maximise productivity -"Hot Swap" ink tanks, changeable during printing.
- Minimise printer downtime with media mismatch detection (iPF655).
- Highly accurate with 0.02mm minimum line width and +/-0.1% line accuracy.
- Integrate with your office applications with Microsoft Office Plug-in.

- HP-GL/2 and HP-RTL Compatible:
  - Capable of handling large vector files.
  - HP-GL/2 pallette and pen settings.
  - HP-GL/2 and HP-RTL nesting (iPF655).
  - HP-GL/2 auto-rotation.

imagePROGRAF

Canon

# Specifications: iPF650 / iPF655

| | |
|---|---|
| Class | 24-inch |
| Ink Type | Pigment and Dye reactive ink, 5 colours (MBK x 2, BK, C, M, Y) |
| Maximum Print Resolution | 2,400 x 1,200 dpi |
| Printing Speed (A1 Roll, Full Colour Image) | |
| Plain Paper | 0.30 (Draft mode) 0.43 (Standard Mode) |
| Coated Paper | 0.43 (Draft Mode) 1.18 (Standard Mode) 2.06 (High Quality Mode) |
| Dimensions, Weight (Net) W x D x H(mm), (kg) | iPF650: Main unit only 997(W) x 698(D) x 507(H)mm; Weight: approx. 43.4kg iPF655: Main unit only 997(W) x 698(D) x 507(H)mm; Weight: approx. 43.6kg iPF650: Main unit with a basket open and a printer stand 997(W) x 870(D) x 1,062(H)mm; Weight: approx. 53.7kg (roll holder included, no inks, no print heads) iPF655: Main unit with a basket open and a printer stand 997(W) x 870(D) x 1,062(H)mm; Weight: approx. 53.9kg (roll holder included, no inks, no print heads) |
| Dimensions, Weight (Packaged) W x D x H (mm), (kg) | iPF650: Main unit 1,127(W) x 830(D) x 762(H)mm; Weight: approx. 63kg iPF655: Main unit 1,127(W) x 830(D) x 762(H)mm; Weight: approx. 63.2kg iPF650: Stand and Basket 1,073(W) x 766(D) x 263(H)mm; Weight: approx. 15.8kg iPF655: Stand and Basket 1,073(W) x 766(D) x 263(H)mm; Weight: approx. 15.8kg |
| Power Supply | |
| Input power | AC 100 - 240 V (50/60 Hz) |
| Power consumption | 140 W or less |
| Standby power consumption (At the low power mode) | |
| 220 V - 240 V | 6 W or less |
| 100 V - 120 V | 5 W or less |
| Power off (standby) | 1 W or less (In compliance with Executive Order of the President of the United States of America) |
| Operational Environment | Temperature: 15 - 30ºC, Humidity: 10 - 80% (Condensation free) |
| Acoustic Noise | |
| Acoustic pressure | Operation: 47 dB (A) or less, Standby: 35 dB (A) or less |
| Acoustic power | Operation: 6.4 Bels or less |
| Minimal Line Width | 0.02mm (Theoretical value) |
| Line Accuracy | ±0.1 % or less (User adjustments necessary. Printing environment media must match that used for the adjustments. CAD paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only.) |
| Operation Panel Display | Large LCD: 160 x 128 dots, Key x 13, LED x 5 |
| Language on operation panel | US-English, Japanese |
| Displayable Language on LCD | US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Japanese(Kanji), Russian |
| Printer Language | GARO, HP-GL/2, HP RTL |
| Interface | |
| USB | |
| Type | Built-in |
| Mode | Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer |
| Connector type | Series B (4 pins) |
| Ethernet | |
| Type | Built-in |
| Standard | IEEE 802.3 10base-T, IEEE 802.3u 100base-TX / Auto-Negotiation IEEE 802.3 x Full Duplex, IEEE 802.3ab 1000base-T/Auto-Negotiation |
| Protocol | IPX/SPX (Netware 4.2(J), 5.1(J), 6.0(J)) SNMP (Canon-MIB), HTTP, TCP/IP, AppleTalk |
| Operating Systems supported | |
| Windows | 2000 (32)/XP (32 & 64)/Server 2003 (32 & 64)/Server 2008 (32 & 64)/Vista (32 & 64) |
| Macintosh | OS X (32 & 64) |
| Memory | |
| Standard Memory | 256Mb |
| HDD | 80Gb (iPF655) |
| **Print head** | |
| Model | PF-04 |
| Type | Bubble-jet on demand |
| Head configuration | 6 colours integrated type (6 chips per print head x 1 print head) |
| Nozzle pitch | 1,200dpi |
| Nozzle per chip | MBK: 5,120 nozzles, Other Colours: 2,560 nozzles each |
| Droplet size | 4 pl per colour |
| Head replacement | User replacement |

| | |
|---|---|
| **Ink tank** | |
| Model | PFI-102 (130ml): MBK/BK/C/Y, PFI-104 (130ml): M |
| Media handling | |
| Roll paper | One roll, front-loading, front output |
| Cut sheet | Top-feeding, front output (Manual feed using media locking lever) |
| Media type | |
| Roll paper | Standard Paper 80gsm Standard Paper 90gsm Matt Coated Paper 90gsm Glossy Photo Quality Paper 190gsm / 240gsm / 300gsm Satin Photo Quality Paper 190gsm / 240gsm / 300gsm Pearl Photo Paper 260gsm Matt Coated Paper 120gsm / 140gsm / 180gsm Opaque White Paper 120gsm High Resolution Self-adhesive Graphic Paper 140gsm High Resolution Barrier Paper 180gsm Glossy Proofing Paper 195gsm Semi-Glossy Proofing Paper 195gsm / 255gsm |
| Media Size | |
| Roll paper (width) | ISO: A3, A2, A2+ A1 JIS: B2, B4 ARCH: 24" Others: 10", 14", 16", 17", Banner (300mm) |
| Cut sheet | ISO: A4, A3, A3+, A2, A2+, A1, B4, B3, B2 DIN: C4, C3, C2 JIS: B4, B3, B2 ANSI: 8.5 x 11", 8.5 x 14", 11 x 17", 13 x 19", 17 x 22", 22 x 34" ARCH: 9 x 12", 12 x 18", 18 x 24", 24 x 36" Photo: 20 x 24", 18 x 22", 14 x 17", 12 x 16", 10 x 12", 10 x 15", 16 x 20" (US Photo size) Poster: 20 x 30", 300 x 900mm Others: 13 x 22" |
| Media Thickness | Roll paper & Cut sheet: 0.07 – 0.8mm |
| Maximum Outside Diameter of Roll Paper | 150mm |
| Media Core Size | Internal diameter of roll core: 2" / 3" |
| Media Width | Roll paper: 254 – 609.6mm (24") Cut sheet: 203.2 – 609.6mm (24") |
| Minimum Regular Format Size (Vertical) | Roll Paper: 203.2mm (8") Cut Sheet: 279.4mm (11"): Letter size (long side) |
| Maximum Printable Paper Length | Roll paper: 18m (Varies according to the OS and application) Cut sheet: 1.6m (Varies according to the OS and application) |
| Margins (Top, Bottom, Sides) | |
| Recommended area | Roll paper: Top: 20mm, Bottom: 5mm, Side: 5mm Cut sheet: Top: 20mm, Bottom: 23mm, Side: 5mm |
| Printable area | Roll paper: Top: 3mm, Bottom: 3mm, Side: 3mm Roll paper (borderless print): Top: 0mm, Bottom: 0mm, Side: 0mm Cut sheet: Top: 3mm, Bottom: 23mm, Side: 3mm |
| Media width for borderless printing | 10"(254mm), B4(257mm), A3(297mm), Banner(300mm), 14"(356mm), A2(420mm), A2+/17"(432mm), B2(515mm) A1(594mm), 24"(610mm) |

| **Option** | |
|---|---|
| Roll Holder Set (2-inch core spindle with 3"core roll media) | RH2-26 |
| Printer Stand/Basket | ST-26 |

| **Consumables** | |
|---|---|
| Ink Tank | PFI-102 (130ml): MBK/BK/C/Y, PFI-104 (130ml): M |
| Print Head | PF-04 |
| Maintenance Cartridge | MC-10 |