



imagePROGRAF GP-4600S

PRECISION PALETTE, CRAFTING BRILLIANCE

A revolution in printing premium posters for chain retail & franchised stores, as well as print service providers, with a sustainability 44" large format printer – where accuracy meets vibrancy. Unlock an eye-catching spectrum of colours with PANTONE™¹ precision, thanks to the innovative new LUCIA PRO II ink³, especially orange ink. Get sustained productivity without compromising on image quality and longevity.

- Professional image quality**
 Dive into a world of vivid corporate colours that captivate, paired with enhanced black density that brings more depth to your premium posters. The imagePROGRAF GP-4600S goes beyond ink – it provides total colour accuracy, perfect colour gradation and highlights a wide PANTONE™ coverage²
- Enhanced productivity**
 Transform printing workflows with easier media handling and simplified settings. Enhance efficiency with dual rolls, automatic media feeding and a practical LED interior light, while using the print head monitoring function to avoid image deterioration
- Increased durability**
 Preserve your premium posters for 200 years⁴ with better light fastness using high light-resistance ink. Improve image robustness with high scratch resistant ink helps ensure your prints last a lifetime.
- Improved sustainability**
 Protect the environment by using less power during both operation and power-off. It is EPEAT Gold rated⁵ and its packaging reduces 89.5% of polystyrene usage

¹PANTONE™ is a trademark or registered trademark of Pantone LLC.

²PANTONE FORMULA GUIDE Solid Coated colour gamut coverage rate is 96% for GP-6600S/4600S/2600S, when using Premium Semi-Glossy Paper 2 with imagePROGRAF printer driver at [High] [Color Correction Off]; coverage rate is 82% when using Heavyweight Coated Paper HG with imagePROGRAF printer driver at [High] [Color Correction Off]

³Five of the seven inks are newly developed. The matte black and orange inks are the same as those used by the imagePROGRAF GP-2000/4000.

⁴When using Canon Heavyweight Coated Paper HG 145gsm. Predicted value calculated in accordance with the indoor light resistance test method and life evaluation criteria of the digital colour photographic print image preservation evaluation method (JEITA CP-3901B) published by JEITA (Japan Electronics and Information Technology Industries Association).

⁵EPEAT Gold registered in the U.S.

Canon

TECHNICAL SPECIFICATIONS

imagePROGRAF GP-4600S

PRINTER TECHNOLOGY

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Printer Type | 7 Colours 44" |
| Print Technology | Canon Bubblejet on Demand 12 colours integrated type (12 chips per print head x 1 print head) |
| Print Resolution | 2,400 x 1,200 dpi |
| Number of Nozzles | 18,432 nozzles (MBK/C/M/Y/O:1536nozzles x2, PBK/GY:1536nozzles x1) |
| Line Accuracy | ±0.1% or less User adjustments necessary. Printing environment and media must match those used for the adjustments. |
| Nozzle Pitch | 600 dpi x 2 Includes Non-firing nozzle detection and compensation system |
| Ink Droplet Size | minimum 4pl per colour |
| Ink Capacity | Bundled Starter Ink: 2310ml (330ml for each colour) Sales Ink: 160ml / 330ml / 700ml |
| Ink Type | Pigment inks : 7 colours (Matte Black, Photo Black, Cyan, Magenta, Yellow, Grey, Orange) |
| OS Compatibility | 32 Bit: Windows 7, Windows 8.1, Windows 10 64 Bit: Windows 7, Windows 8.1, Windows 10, Windows 11, Windows Server 2008R2, 2012, 2012R2, 2016, 2019, 2022 Apple Macintosh: macOS 10.15.7-macOS 13 |

Others supported job submission protocol

| | |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Printer Languages | PDF (Ver.1.7), JPEG (Ver. JFIF 1.02) |
| Standard Interfaces | USB A Port: USB Memory (Direct Print) for PDF/JPEG files USB B Port: Hi-Speed USB Ethernet: IEEE802.3ab(1000base-T), IEEE802.3u(100BASE-TX)/IEEE802.3 (10BASE-T) Wireless LAN ¹ : IEEE802.11n/IEEE802.11g/IEEE802.11b |

MEMORY

| | |
|------------------------|----------------------------|
| Standard Memory | 3GB Expansion slot : No |
| Hard Drive | 500 GB (Encrypted HDD) |

PRINTING SPEED

| | |
|--------------------------------|--------------------------------|
| Plain paper (AO) | 0:48 (Level 5) |
| Coated paper (AO) | 1:24 (Fast) 2:24 (Standard) |
| Glossy Photo Paper (AO) | 2:56 (Fast) 4:44 (Standard) |

MEDIA HANDLING

| | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Media Feed and Output | Upper Roll Paper : One Roll, Upper-loading, Front Output Lower Roll Paper: One Roll, Front-loading, Front Output Cut Sheet : Upper-loading, Front Output (Manual feed using media locking lever) |
| Media Width | Roll paper: 152.4 - 1118mm Cut sheet: 152.4 - 1118mm |
| Media Thickness | Roll/Cut : 0.07 - 0.8mm |
| Minimum Printable Length | Roll paper: 101.6mm (Cross and canvas paper: 200mm) Cut sheet: 203.2mm |
| Maximum Printable Length | Roll paper : 18m (varies according to the OS and application) Cut sheet : 1.6m |
| Maximum Media Roll Diameter | 170mm |
| Media Core Size | Internal diameter of roll core: 2"/3" |
| Margins Recommended area | Roll paper: Top: 20mm, Bottom: 3mm, Side: 3mm Cut sheet: Top: 20mm, Bottom: 20mm, Side: 3mm |

Margins Printable area

Roll paper: Top: 3mm, Bottom: 3mm, Side: 3mm
Roll paper (borderless): Top: 0mm, Bottom: 0mm, Side: 0mm
Cut sheet: Top: 3mm, Bottom: 12.7mm, Side: 3mm

Media Feed Capacity

Roll Paper: Two rolls. Automatic switching is possible
Roll Paper, Cut Sheet: Manual switching is possible
Cut Sheet: 1 sheet

Media Take-Up Roll Unit

Dual direction roll take up unit allowing print surface to be wound inside or outside of the roll

Borderless Printing Width (Roll Only)

[Recommended] 515mm(JIS B2), 728mm(JIS B1), 1030mm(JIS B0), 594mm(ISO A1), 841mm(ISO A0), 10", 14", 17", 24", 36", 42", 44"
[Printable] 257mm(JIS B4), 297mm(ISO A3), 329mm(ISO A3+), 364mm(JIS B3/B4), 420mm(ISO A2), 6", 8", 12", 15", 16", 18", 20", 22", 30", 34", 300mm, 500mm, 600mm, 800mm, 1000mm
Other than above, free size borderless printing is supported on only roll paper by user definition

Maximum number of delivered prints

Standard position: 1 sheet
Flat position: A2 landscape, glossy paper less than 10 sheets, coated paper less than 20 sheets (excludes strong curled condition)

POWER AND OPERATING REQUIREMENTS

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply | AC 100-240V (50-60Hz) |
| Power Consumption | Operation: 94W or less Sleep mode: 2.2W or less Default setting for the time to enter the Sleep mode: Approx. 5 minutes Power off: 0.1W or less |

Operating Environment

Temperature: 15-30°C, Humidity: 10-80% RH (no dew condensation)

Acoustic Noise (Power/Pressure)

Operation: Approx. 49dB(A) (Measured based on ISO7779 Photo Glossy Paper HG/Standard/42")
Standby: 35 dB(A) or less
Operation: 6.6 Bels or less (Measured based on ISO7779 Photo Glossy Paper HG/Standard/42")

Regulations

CE mark, UKCA mark
CB certification, EPEAT GOLD²

DIMENSIONS AND WEIGHT

Physical Dimensions and Weight

W x D x H
Main unit + Stand
1593×984×1168 mm (Basket Opened)
1593×766×1168 mm (Basket Closed)
122kg (including Roll Holder Set, excluding ink and print head)

Packaged Dimensions and Weight

Printer (Main unit with pallet): 1820 x 915 x 1042 mm, 181kg
Roll unit: 1727 x 562 x 461 mm, 33kg

WHAT'S INCLUDED

What's in the Box?

Printer, Printer Stand, 1 Print head, Power Cable, 1 Set of starter ink tanks, Installation Guide, Safety/Standard Environment leaflet, LFP Eur Address Sheet, Important Information Sheet, Stack Printer Stand Setup Guide, Notice for PosterArtist WEB
Software available as Download from Web

Software Included

Software available as Download from Web

OPTIONS

Optional Items

2"/3" Roll Holder: RH2-46
Roll Unit: RU-43

CONSUMABLES

User Replaceable Items

Ink Tank: MBK/Orange: PFI-2100(160ml)/PFI-2300(330ml)/PFI-2700(700ml)
Others: PFI-3100(160ml)/PFI-3300(330ml)/PFI-3700(700ml)
Print Head: PF-10
Cutter Blade: CT-07
Maintenance Cartridge: MC-30

¹Please refer to user manual how to activate/deactivate the wireless LAN
²EPEAT Gold registered in the U.S.

Disclaimer

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Canon recommends you use Canon Media for the best results. Please check media (paper) compatibility list to see which variety of paper/media is recommended.



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