

imagePROGRAF PRO-4600

WHERE YOUR VISION BECOMES TIMELESS PRECISION

Elevate your fine art and photography with unbeatable image quality and longevity from the 12-colour imagePROGRAF PRO-4600. Amplify the strength in superior image quality from existing range in presenting most faithful colours with prefect gradation and precision, the quality is further enhanced with a mesmerizing true blacks, ensuring every print captures the full essence of the vision of photographers.

- **Premium image quality**
  Deliver print perfection with exceptional colour gradation for striking photography and fine art pieces. The cutting-edge 12-colour LUCIA PRO II ink set[1] with Chroma Optimiser, it enhances dark density and produces deeper blacks with precision
- **Increased durability**
  Future-proof your art with the imagePROGRAF PRO-4600. Improve image robustness with high scratch resistant ink and preserve your work with better light fastness using high light-resistance pigment ink for 200 years[2]. Revel in unrivalled durability and set the benchmark for print longevity
- **Seamless workflows**
  Transform printing workflows with easier media handling and simplified settings. Enhance efficiency with dual rolls, auto media loading, practical interior LED light and roll media size indicator. With new print head monitoring function and auto alignment adjustment, masterpieces are created without image deterioration
- **Improved sustainability**
  Protect the environment by using less power during operation and power-off. The imagePROGRAF PRO-4600 is EPEAT Gold rated[3] and its packaging reduces 89.5% of polystyrene usage

[1]Eleven out of the twelve inks are newly developed. The matte black ink is the same as the one used by the imagePROGRAF GP-2000/4000.

[2]When using Canon Photo Paper Pro Platinum. 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).

[3]EPEAT Gold registered in the U.S.

Canon

TECHNICAL SPECIFICATIONS

imagePROGRAF PRO-4600

PRINTER TECHNOLOGY	
Printer Type	12 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 (1536 nozzles x 12 colours)
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: 3960ml (330ml for each colour) Sales Ink: 160ml / 330ml / 700ml
Ink Type	Pigment inks : 12 colours (Matte Black, Photo Black, Cyan, Magenta, Yellow, Grey, Photo Cyan, Photo Magenta, Photo Grey, Red, Blue, Chroma Optimiser)
OS Compatability	32 Bit: Windows7, 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	Apple AirPrint
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 (A0) 1:37 (Fast) 2:49 (Standard) Coated paper (A0) 2:49 (Standard) 5:35 (High Quality) Glossy Photo Paper (A0) 5:35 (Standard) 8:50 (High Quality)
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 : 0.07mm - 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: 85W or less Sleep mode: 2.3W 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, Humidity: 10-80% RH (no dew condensation)
Accoustic Noise (Power/Pressure)	Operation: Approx. 48dB(A) (Measured based on ISO7779 Photo Glossy Paper HG/ Standard/42") Standby: 35 dB(A) or less Operation: 6.5 Bels or less (Measured based on ISO7779 Photo Glossy Paper HG/Standard/42")
Regulations	CE mark, UKCA mark
Environment Certificates	CB certfication, EPEAT GOLD[2]
DIMENSIONS AND WEIGHT	
Physical Dimensions and Weightw	W x D x H Main unit + Stand 1593×984×1168 mm (Basket Opened) 1593×766×1168 mm (Basket Closed) 124kg (including Roll Holder Set, excluding ink and print head)
Packaged Dimensions and Weight	Printer (Main unit with pallet): 1820 x 915 x 1042 mm, 185kg 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, 1 Roll holder (spool), 3" Paper Core Attachment, Installation Guide, Safety/Standard Environment leaflet, LFP Eur Address Sheet, Important Information Sheet, Stack Printer Stand Setup Guide, Notice for PosterArtist 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: 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

[1]Please refer to user manual how to activate/deactivate the wireless LAN

[2]EPEAT 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.

FINE Full-photolithography Inkjet Nozzle Engineering

L-COA PRO

PosterArtist

LUCIA PRO II ink

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English edition
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