

imagePROGRAF  
PRO-521 | PRO-541 | PRO-561

Canon

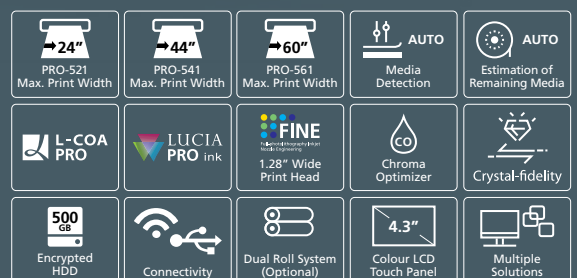
Delighting You Always

# COLOURS THAT KNOW NO BOUNDARIES



## DELIVER STUNNING QUALITY PRINTS LIKE NO OTHER

The Canon imagePROGRAF PRO-521, PRO-541 and PRO-561 are the ultimate large-format printers that capture the imagination of every professional photographers with their finesse in vivid colours reproduction and stunning print quality.



# THE PINNACLE OF QUALITY AND RELIABILITY

Impress your audience with print results as vivid as the photographs. From professional photo studios to design firms, there is an insatiable desire to achieve prints with stunning colours and deep blacks. Even for difficult colours such as the subtle gradation of skin tones, only a print system with a wide colour gamut can accurately reproduce.

Enter the Canon imagePROGRAF PRO-521, PRO-541 and PRO-561 professional large-format printers offering a 12-colour pigment ink system for unmatched reliability, speed and print quality.

## PRECISION ENGINEERING FOR THE PERFECT PRINT

### AUTO MEDIA DETECTION

Advanced multi-sensor technology allows the printers to detect media type automatically with the database pre-registered in the printer. Ink usage are optimised to create high quality output. The printer automatically performs the series of operation from media feeding to media type detection, setting and adjustment to print-ready status with minimal supervision. This dramatically saves both time and labour even when the print workflow involves a variety of media.



### AUTO ESTIMATION OF REMAINING ROLL AMOUNT

The PRO-series printers are capable of automatically estimating the remaining roll amount. This is conveniently displayed on the operational panel and warns users whenever the media is insufficient for completing print jobs. This eliminates the need of barcode printing while saving time, paper and ink.



### AUTO MEDIA LOADING

Simply load the media roll into the feeder and the printer automatically feeds the media and adjusts it to printing-ready state, eliminating any manual feeding of the media into specific position. This drastically reduces time taken for media loading and reduce the handling of media surfaces which may cause fingerprints or other dirt adhering to expensive glossy paper and art paper.

### HIGH-PRECISION MECHANICAL PLATFORM

The PRO-series uses a unibody printer mechanical platform with a highly precise and rigid printer framework capable in suppressing oscillation and shaking during print head scanning, as well as high-precision ink placement with little inter-colour discrepancy. Providing high quality prints in blazing speed.

### AIR FEEDING SYSTEM

Air Feeding System uses a suction fan to prevent media from floating up from the platen, enabling stable transport along the platen without fluttering or bending during the printing process for all variety of media. This enhances ink placement precision which ensures drawings with high-precision reproduction of posters and graphics with minimum colour shift and colour variance.



### SELECT INK TANK SIZES

700ml, 330ml, 160ml based on each colour usage frequency to reduce running costs.



### HOT SWAP INK TANK

Replace ink tanks on-the-fly without interrupting print jobs.



### LARGE 4.3" CAPACITANCE TOUCH PANEL

All-in-one view allows remaining media and consumables availability to be viewed instantly at a glance, all settings easily done in one step.



### DIRECT USB DRIVE PRINTING

Print JPEG and PDF conveniently with Direct USB Drive Printing.



### MULTI-POSITIONAL BASKET

Choose different basket positions for prints collection to suit each needs. Positions available are front delivery, flatbed stacking, slope and regular basket.

### TAKE-UP FUNCTION

Rewinding for take-up functions can be performed with the printed surface on the inside as well as the outside, preventing printed matter from becoming scratched or dirty. The re-wound roll can be easily delivered to the next process such as lamination. Manual processing time is reduced, achieving efficient workflow.

### FREE SIZE BORDERLESS PRINTING

Print free size borderless prints up to 52 sizes on all standard paper without trimming prints. Custom paper sizes are also available.

### NON-FIRING DETECTION AND COMPENSATION SYSTEM

Equipped with in-built sensor, the non-firing detection and compensation system precisely checks the ink ejection from print head nozzles and eliminates use of clogged nozzles by compensating ink ejection using another nozzle. This significantly reduces misprints caused by nozzle clogging and maintain the high quality of prints.

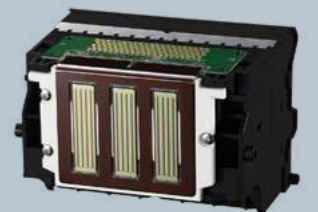


### L-COA PRO PROCESSOR

L-COA PRO high-speed image processing engine equipped in the printers improves and maximises users' productivity with the ability to process high resolution, high volume data at high speed.

### FINE PRINT HEAD

The new PRO-series large format printers are equipped with a single 1.28-inch wide, 12-colour integrated compact Full-photolithography Inkjet Nozzle Engineering (FINE) printhead. 12-colour pigment inks are ejected from a total of 18,432 nozzles that print with microscopic droplets of 4 Picoliter and high resolution reproduction of up to 2400 x 1200dpi. These enables fast printing while maintaining high quality prints.



**FINE** 18,432 NOZZLES  
Full-photolithography Inkjet Nozzle Engineering

# COLOURS THAT KNOW NO BOUNDARIES

## LUCIA PRO INK ADVANCED PIGMENT INK

LUCIA PRO pigment ink microencapsulates the colour materials to exhibit high ink colour performance and produce prints with vibrant colours. Thanks to this technology, smoothness of the printed surface is increased which reduces scattered light from the media surface and improves prints' glossiness. The ink materials are arranged densely on the printed media, providing true-to-life prints.

### 12 COLOURS LUCIA PRO INK SYSTEM

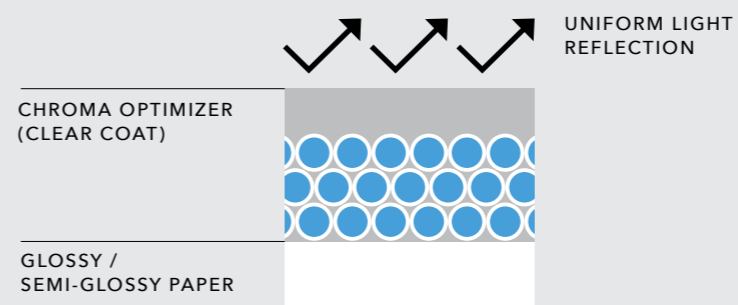
A 12-colour ink system that uses red, blue and clear Chroma Optimizer (CO) inks is set to provide and meet the needs of users who demand exceptionally high print quality. In the ink configuration, Grey, Photo Cyan and Photo Magenta is added to the four key colours of Cyan, Magenta, Yellow and Matte Black to achieve the ideal balance between high print quality and fast printing.



## CHROMA OPTIMIZER

To meet the needs of further high-quality printing, the 12-colour series uses the transparent ink of Chroma Optimizer (CO). CO optimally controls the light that determines the colour appearance when printing on glossy or semi-gloss media, providing a "Clear Coat" effect.

Prints with Chroma Optimizer applied to, display vivid colours, as well as rich, dark areas and blacks that give a three-dimensional expression to achieve a feeling of reality with a sense of substance and presence regardless of the environment in which prints are viewed.



## Crystal-fidelity

Powered by a Canon-to-Canon workflow that seamlessly coordinate images captured with an EOS Digital Camera and printed on an imagePROGRAF PRO-series printer, the result is a solution that delivers overwhelmingly high print quality. This input to output solution is known as Crystal-fidelity. Realise how Crystal-fidelity enables two-dimensional expression printouts to look like three-dimensional images without any limitations.



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PRO-521



## CONSISTENT COLOUR REPRODUCTION

A standard feature of colour calibration using an in-built multi-sensor for scanning printed colours to compensate for any variation due to differences among printers or changes over time. The amount of ink ejected is adjusted to the correct density accordingly to achieve consistent colour reproduction. This enables easy, fast and high-precision adjustment of printed colours on a variety of media without any additional costs, providing an economical, fast and easy workflow for users.



# ROBUST SECURITY FOR EASE OF MIND PRINTING

## SECURE PRINT

To prevent any information leaks or accidental release of printed materials, users can only gain access to the printers by entering the correct passcode at the operational panel. This greatly enhances document security and minimises human errors.

## HARD DISK DRIVE ENCRYPTION

To prevent leaks of confidential information from the printer's hard disk, print jobs and other data are encrypted before it is written to or stored on the disk.

## SECURE DISK ERASURE

Secure disk erasure removes the disk's data encryption key using random data and coding, making it virtually impossible to recover overwritten data. This is exceptionally useful for erasing highly confidential data.

## SECURE PROTOCOLS

Data are also transmitted securely through secured protocols such as IPSec, SNMPv3, SSL/TLS and 802.1x authentication.

## FULL ADMINISTRATOR CONTROL

Administrators can restrict users' Ethernet, Internet, Wi-Fi, USB and USB Flash Drives connections to the printer, printing and access using each connection method to prevent misuse. Use of FTP and Telnet communication protocols can also be restricted. Administrators can also prevent general users from viewing certain information, executing menu commands or changing settings, preventing all use of operation panel by setting up these restrictions using Remote UI management utility. This prevents printers' settings and workflows from being altered and disrupted by users.



# PRINTER MANAGEMENT SOLUTIONS

## PROFESSIONAL PRINT & LAYOUT

Realise high print quality through enhanced photo printing workflow with EOS series camera through the introduction of Professional Print & Layout which offers versatility with features as below:

- Auto nesting of images
- Printing of Exif data and print settings
- Chroma Optimizer Clear Coating On or Off option
- Pattern printing
- Enhanced layout functions
- Soft proofing

## MEDIA CONFIGURATION TOOL

Recognizing the vast array of media options, the PRO-series printers are equipped with Media Configuration Tool for print adjustments to provide optimum printing environments to suit printing objectives and applications for precised, high quality output. Some adjustment features include:

- Add custom media information
- Change media information
- Change names and order of media display
- Sharing media information stored on Media Configuration tool across all PRO-521, PRO-541, PRO-561, reducing administrators workload

## DIRECT PRINT AND SHARE

A powerful job submission tool providing efficient large format printing workflow solutions which enables batch printing of multiple files types such as JPEG, PDF, TIFF and HP-GL/2 without starting up the dedicated applications as the images can be previewed (HP-GL/2 excluded). Shortcut printing function can be used to perform printing according to pre-registered print setting such as outputting printer, print quality, paper type and paper size simply by dragging and dropping the files to be printed to the shortcut folder. These features enhance usability and efficiency of the utility for users.

## ACCOUNTING MANAGER

Accounting Manager serves as a powerful solution to accurately track print costs, ink and media consumption for single or multiple printers effortlessly for each individual prints, each department or each user through centralised management.



## POSTERARTIST LITE

Create professional-looking posters inhouse easily with a wide variety of templates, stock photos and clip art for various business types and themes that suit a range of objectives and applications.

## FREE LAYOUT PLUS

Create posters, internal bulletins and other documents with simple operations from works created using Microsoft Office, PosterArtist and other applications. Drag and Drop multiple images realise intuitive and effective operation. The four layout functions include tiling, standard-size layout, free layout and folded duplex support, making posters productions simple and efficient.

## QUICK UTILITY TOOLBOX

Arrive easily to all kinds of software and solutions for these printers of users desired needs through this Quick Utility Toolbox portal with an easy click on the icon readily available at the bottom task bar of the PC screen.

# SPECIFICATIONS

TECHNOLOGY		PRO-521	PRO-541	PRO-561
Printer Type		12 Colour 24"/610 mm	12 Colour 44"/1118 mm	12 Colour 60"/1524mm
Print Technology		Canon Bubble-jet On Demand (12 colour integrated type x 1 print head)		
Number of Nozzles		18,432 nozzles (1,536 nozzles x 12 colours)		
Maximum Print Resolution		2400 dpi x 1200 dpi		
Nozzle Pitch		600 dpi x 2		
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.		
Ink Droplet Size		Minimum 4 Picoliter per colour		
Ink Capacity	Sales Ink	160ml/ 330ml/ 700ml		
	Bundled Start Ink	160ml	330ml	
Ink Type		Pigment Inks - Photo Black, Matte Black, Cyan, Magenta, Yellow, Photo Cyan, Photo Magenta, Grey, Photo Grey, Red, Blue, Chroma Optimizer		
Printer Languages		SG Raster (Swift Graphic Raster), PDF (Version 1.7), JPEG (Version JFIF 1.02)		
Standard Interfaces	USB A Port	USB Memory (Direct Print)		
	USB B Port	Built-in Hi-Speed, Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk Transfer, Series B (4 pins)		
	Gigabit Ethernet	Built-in IEEE 802.3 10 base-T, IEEE 802.3u 100 base-TX/ Auto Negotiation, IEEE 802.3ab 1000 base-T/ Auto Negotiation, IEEE 802.3x Full Duplex, SNMP: Canon-MIB, HTTP, TCP/IP (IPv4/ IPv6)		
	Wireless LAN	IEEE802.11n/g/b. WEP (64/128bit), WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES)		
Memory		Standard Memory: 3GB, Hard Disk Drive: 500GB (Encrypted HDD)		
PRINTING SPEED		PRO-521	PRO-541	PRO-561
MEDIA TYPE	PRINT MODE	A1 SIZE		A0 SIZE
Plain Paper*	(Level 5)	00:58		01:37
	Standard	01:38		02:49
	High	03:11		05:35
Heavyweight Coated Paper HG*	Standard	01:38		02:49
	High	03:11		05:35
	Highest	04:44		08:20
Glossy Photo Paper HG 170*	Standard	03:11		05:35
	High	05:02		08:50
	Highest	08:21		14:54
* Print speed is based on default setting using ISO JIS SCID N5 image and does not include data processing, data transfer, or preprint operations. Print speed may vary depending on the system configuration, interface, software, document complexity, print mode, page coverage, type of paper used, etc.				
MEDIA HANDLING		PRO-521	PRO-541	PRO-561
Media Feed and Output		Roll Paper: One Roll, Front-loading, Front Output. Added Roll Paper: One Roll, Front-loading, Front Output (24" and 44" model: option, 60" model: default) Cut Sheet: Front-loading, Front Output (Manual Feed using Media Locking Lever)		
Media Width		Roll Paper/ Cut Sheet: 152.4 ~ 610mm	Roll Paper/ Cut Sheet: 152.4 ~ 1118mm	Roll Paper / Cut Sheet: 152.4 ~ 1524mm
Media Thickness		Roll Paper/ Cut Sheet: 0.07 ~ 0.8mm		
Minimum Printable Length		Roll Paper: 101.6mm excluding Cloth and Canvas medias. 200mm for Cloth and Canvas media. Cut Sheet: 203.2mm		
Maximum Printable Length		Roll Paper: 18m (varies according to the OS and application). Cut Sheet: 2133.6mm (with stand)		
Maximum Media Roll Diameter (Outer)		170 mm or less		
Media Core Size		Internal diameter of roll core: 2"/3"		
Margins Recommended Area	Recommended Area	Roll Paper: Top: 20 mm, Bottom: 3 mm, Side: 3 mm. Cut Sheet: Top: 20 mm, Bottom: 20 mm, Side: 3 mm		
	Printable Area	Roll Paper: Top, Bottom, Side: 3 mm. Roll Paper (Borderless): Top, Bottom, Side : 0 mm. Cut Sheet: Top: 3 mm, Bottom: 20 mm, Side: 3 mm		
Media Take-up Roll Unit		Dual directions rolling take-up		
Borderless Printing Width (Roll Only)		Recommended: 515mm (JIS B2), 594mm (ISO A1), 10", 14", 17", 24" Printable: 257mm (JIS B4), 297mm (ISO A3), 329mm (ISO A3+), 420mm (ISO A2), 6", 8", 12", 16", 20", 22", 300mm, 500mm, 600mm and custom roll width (152.4 ~ 610mm)	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+), 420mm (ISO A2), 6", 8", 12", 16", 20", 22", 30", 300mm, 500mm, 600mm, 800mm, 1000mm and custom roll width (152.4 ~ 1118mm)	Recommended: 515mm (JIS B2), 728mm (JIS B1), 1030mm (JIS B0), 594mm (ISO A1), 841mm (ISO A0), 10", 14", 17", 24", 36", 42", 44", 50", 54", 60" Printable: 257mm (JIS B4), 297mm (ISO A3), 329mm (ISO A3+), 420mm (ISO A2), 6", 8", 12", 16", 20", 22", 30", 300mm, 500mm, 600mm, 800mm, 1000mm and custom roll width (152.4 ~ 1524mm)
Maximum Stacking No. 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)		
Delivery Directions		Face-Up, Front Side		
DIMENSIONS & WEIGHT		PRO-521	PRO-541	PRO-561
Physical Dimensions W x D x H (mm) / Weight (kg) (including Roll Holder Set, excluding ink and print head)	Main Unit + Stand + Basket	1110 x 984 x 1168 mm (Basket Opened) 1110 x 766 x 1168 mm (Basket Closed) Approx: 102 kg	1593 x 984 x 1168 mm (Basket Opened) 1593 x 766 x 1168 mm (Basket Closed) Approx: 124 kg	1999 x 984 x 1168 mm (Basket Opened) 1999 x 766 x 1168 mm (Basket Closed) Approx: 143 kg
	Main Unit + Roll Unit + Stand + Basket	1110 x 984 x 1168 mm (Basket Opened) 1110 x 766 x 1168 mm (Basket Closed) Approx: 119 kg	1593 x 984 x 1168 mm (Basket Opened) 1593 x 766 x 1168 mm (Basket Closed) Approx: 145 kg	1999 x 984 x 1168 mm (Basket Opened) 1999 x 766 x 1168 mm (Basket Closed) Approx: 171 kg
Packaged Dimension W x D x H (mm) / Weight (kg)	Printer (Main unit with pallet)	1324 x 902 x 1042 mm Approx: 124kg		
	Stand/Basket	1111 x 797 x 223 mm Approx: 23kg		
	Printer (Main unit with stand and pallet)		1820 x 915 x 1042 mm Approx: 177kg	2227 x 915 x 1022 mm Approx: 212 kg
	Roll Unit	1244 x 562 x 461 mm Approx: 26kg	1727 x 562 x 461 mm Approx: 33kg	2133 x 562 x 461 mm Approx: 42kg
POWER AND OPERATING REQUIREMENTS		PRO-521	PRO-541	PRO-561
Power Supply		AC 100-240V (50-60Hz)		
Power Consumption		Printing: 93W or less Sleep Mode: 2.0W or less Power Off: 0.3W or less	Printing: 107W or less Sleep Mode: 2.0W or less Power Off: 0.3W or less	Printing: 97W or less Sleep Mode: 2.0W or less Power Off: 0.3W or less
Operating Environment		Temperature: 15°C-30°C, Humidity: 10%-80% RH (no dew condensation)		
Acoustic Noise	Pressure	Operation approx. 46 dB (A) (Glossy paper, Image, Print priority: Standard) Standby: 35 dB (A) or less (Measured on ISO7779 standard)	Operation approx. 48 dB (A) (Glossy paper, Image, Print priority: Standard) Standby: 35 dB (A) or less (Measured on ISO7779 standard)	
	Power	Operation approx. 6.4 Bels or less (Glossy paper, Image, Print priority: Standard) (Measured on ISO7779 standard)	Operation approx. 6.6 Bels or less (Glossy paper, Image, Print priority: Standard) (Measured on ISO7779 standard)	
Environment Certificates		International Energy Star Program (WW), TUV, CB		
ACCESSORIES AND CONSUMABLES		PRO-521	PRO-541	PRO-561
Accessories	Printer Stand	SD-21 (Mandatory)		
	Roll Unit	RU-23 (Optional)	RU-43 (Optional)	RU-63 (Mandatory)
	2"/3" Roll Holder	RH2-29 (Optional)	RH2-46 (Optional)	RH2-66 (Optional)
Consumables	Inks	PFI-51(160ml)/ PFI-53(330ml)/ PFI-57(700ml)		
	Print Head	PF-10		
	Cutter Blade	CT-07		
	Maintenance Cartridge	MC-30		



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