

# TECHNICAL SPECIFICATIONS

# imagePROGRAF PRO-310

## GENERAL SPECIFICATIONS

### Class

13"

## PRINT HEAD / INK

### Type

Permanent

### Number of nozzles

Total 7,680 nozzles  
(MBK/PBK/C/M/Y/PC/PM/GY/R/CO) each 768 nozzles x 10)

### Number of Ink Tanks

10 Colours - MBK/PBK/C/M/Y/PC/PM/GY/R/CO

## MAXIMUM PRINTING RESOLUTION

### Maximum printing resolution

4800 (horizontal)<sup>1</sup> x 2400 (vertical)<sup>1</sup> dpi

## PRINT SPEED

### Print Speed

Photo (11"x14" image on A3+ with Border)<sup>2</sup>  
Color/PT-101: approx.4 m 15s  
Black/PT-101: approx.4 m 15s

## MAXIMUM PRINTABLE PAPER SIZE

### Top Tray (width)

Up to 329 mm (A3+) Borderless Printing

### Manual Feed (width)

Up to 330.2 mm

### Custom (length)

1800mm

## PRINTABLE AREA

### Borderless printing

Top/Bottom/Right/Left margin: each 0 mm  
Top margin : 3 mm, Bottom margin : 5 mm,  
Left/Right margin: each 3.4 mm  
(Sizes other than Letter or Legal) or Square 5"  
Top/Bottom/Right/Left margin: each 6.0mm,  
Recommended Top/Bottom margin for Fine Art Paper: each 25mm

### Bordered printing

## SUPPORT MEDIA

### Top tray

Plain Paper/ Photo Paper Pro Platinum (PT-101)/Photo Paper Plus Glossy II (PP-201)/ Photo Paper Pro Luster (LU-101)/ Photo Paper Plus Semi-gloss (SG-201)/ Matte Photo Paper (MP-101)/ Lightweight Photo Paper/ Heavyweight Fine Art Paper / Canvas / Photo Paper (Grayscale Printing) /Photo Paper (Long-form Printing)/ Fine Art Paper (Long-form Print) /Greeting Card

### Manual feed

Photo Paper Pro Platinum (PT-101)/Photo Paper Plus Glossy II (PP-201)/Photo Paper Pro Luster (LU-101)/ Photo Paper Plus Semi-gloss (SG-201)/ Matte Photo Paper (MP-101) / Photo Paper Pro Premium Matte (PM-101) / Premium Fine Art Smooth (FA-SM)/ Premium Fine Art Rough/ Lightweight Photo Paper/Heavyweight Photo Paper / Heavyweight Fine Art Paper / Extra Heavyweight Fine Art Paper/Highest Density Fine Art Paper / Canvas / Baryta Photo Paper / Photo Paper (Grayscale Printing) /Fine Art Paper (Grayscale Print) / Photo Paper (Long-form Printing) / Fine Art Paper (Long-form Print) / Greeting Card

### Multi-purpose tray

Printable Disk

## PAPER SIZE

### Top Tray (Maximum Number)

A5/A4/A3/ A3+/B5/B4/  
4"x6"(KG) / 5" x 7" / 7" x 10" / 8" x 10" / 9" x 13" / 11" x 14" / 10" x 12" / 12" x 12" / Square 5" (127x127 mm)  
Custom size  
(width 89mm - 329.0mm, length 127mm - 990.6mm or 1800mm)

### Manual Feed (Maximum Number)

A5/A4/A3/A3+/B4/ 9"x13" / 11"x14"/13"x19" / 8"x10" / 10"x 12" / 12"x12"  
Custom size (width 203.2mm - 330.2mm, length 254.0mm - 990.6 mm or 1800mm)  
Printable Disc 120 x120 mm

### Multi-Purpose Tray

## PAPER SIZE (BORDERLESS)

### Paper Size (Borderless)

A5/A4/A3/A3+/B5/B4 / 4"x6" (KG) / 5" x 7" / Square 5" (127x127mm) / 7" x 10" / 8" x 10" / 10" x 12" / 11" x 14" / 12" x 12" / 13" x 19" /

## PAPER HANDLING

### Top Tray

Plain Paper: A4/A5/B5 = 100 A3 = 50  
Photo Paper Pro Platinum (PT-101):4"x6" (KG) = 20  
A3/A4/2L/8"x10" = 10 10"x12"/A3+ = 1  
Photo Paper Plus Glossy II (PP-201):4"x6" (KG)/ Square 5" (127x127 mm) = 20 A3/A4 8"x10"/5"x7" = 10 A3+ = 1  
Photo Paper Pro Luster (LU-101):A4 /A3 = 10 A3+ = 1  
Photo Paper Plus Semi-gloss (SG-201): 4"x6" (KG) = 20 A4 /A3/5x7/8"x10" = 10 10"x12"/A3+ = 1  
Matte Photo Paper (MP-101):4"x6" (KG) = 20 A4 /A3 = 10 A3+ = 1

## Manual Feed

## Multi-Purpose Tray

## PAPER WEIGHT

### Top Tray

Photo Paper Pro Platinum (PT-101): A3/A4/8"x10" /10"x12"/A3+ = 1  
Photo Paper Plus Glossy II (PP-201):A4/A3/A3+ = 1  
Photo Paper Pro Luster (LU-101):A4/A3/A3+ = 1  
Photo Paper Plus Semi-gloss (SG-201):A4/A3/8"x10" /10"x12"/A3+ = 1  
Matte Photo Paper (MP-101): A4/A3/A3+ = 1  
Photo Paper Pro Premium Matte (PM-101): A4/A3/A3+ = 1  
Premium Fine Art Smooth (FA-SM): A4/A3/A3+ = 1  
Premium Fine Art Rough (FA-RG1): A4/A3/A3+ = 1  
1 (Multi-purpose Tray)

## Manual Feed

## INK TANK

### Ink Model

Plain Paper: 64-105 g/m2  
Specialty paper: Up to 380 g /m2  
Paper Thickness 0.1 ~0.6mm or less

## Page Yield (4x6" PT-101)

LUCIA PRO II Ink Tanks:  
PFI-5100  
MBK/ PBK/C/M/Y/PC/PM/GY/R/CO  
Number of 10x15cm photos<sup>7</sup>  
Matte Black (MBK): 1679 photos\*  
Photo Black (PBK): 450 photos  
Grey (GY): 233 photos  
Cyan (C): 842 photos\*  
Photo Cyan (PC): 704 photos\*  
Magenta (M): 610 photos\*  
Photo Magenta (PM): 430 photos\*  
Yellow (Y): 551 photos\*  
Red (R): 969 photos\*  
Chroma Optimizer (CO): 256 photos

## Page Yield (A3+ PT-101)

\* Estimated Supplemental Yield  
Number of A3+ photos<sup>8</sup>  
Matte Black (MBK): 244 photos\*  
Photo Black (PBK): 41 photos\*  
Grey (GY): 48 photos\*  
Cyan (C): 82 photos  
Photo Cyan (PC): 119 photos\*  
Magenta (M): 100 photos\*  
Photo Magenta (PM): 76 photos  
Yellow (Y): 108 photos  
Red (R): 134 photos\*  
Chroma Optimizer (CO): 66 photos\*

\* Estimated Supplemental Yield

## CONNECTIVITY

### Protocols

### Interface

### Wired LAN

SNMP/ HTTP/TCP/IP(IPv4/IPv6)  
USB B Port: Hi-Speed USB  
Network Type: IEEE 802.3 10base-T / IEEE 802.3u 100base-TX  
Data Rate: 10Mbps/100Mbps( Auto switching)  
Security: IEEE 802.1X(EAP-TLS/EAP-TTLS/PEAP)

### Wireless LAN

Network Type:  
IEEE802.11n/IEEE802.11g/IEEE802.11b  
IEEE802.11a  
Frequency Band: 2.4GHz  
Range: Indoor 50 m depends on the transmission speed and conditions  
Security:  
WPA-PSK(AES)  
WPA2-PSK(AES)  
WPA3-SAE(AES)  
WPA-EAP(AES)※  
WPA2-EAP(AES)※  
WPA3-EAP(AES)※  
※ IEEE802.1X(EAP-TLS/EAP-TTLS/PEAP)  
available  
Available

### Direct connection (Wireless LAN)

## SYSTEM REQUIREMENTS

### Supported Operating Systems

Windows 7 SP1, Windows 8.1, Windows 10, Windows 11  
Windows Server 2008 R2 SP1, Windows Server 2012 R2,  
Windows Server 2016, Windows Server 2019, Windows Server 2022

Mac OS  
OS11.7.10 - OS15

Chrome OS  
iOS  
Android

### Supported Mobile Systems

## SOFTWARE SUPPORT

### Canon Professional Print & Layout Adobe Photoshop / Lightroom

Available

Supported via Canon PPL Plugin



# TECHNICAL SPECIFICATIONS

# imagePROGRAF PRO-310

## PRINT APPLICATIONS & METHODS

|                                   |           |
|-----------------------------------|-----------|
| Canon PRINT                       | Available |
| AirPrint                          | Available |
| Mopria                            | Available |
| Canon Print Service (for Android) | Available |
| Cloud Link                        | Available |

## OPERATION PANEL

|          |                                                                                                                                                                                                                                                                                                                                                |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display  | 3.0 inch/7.5cm LCD(Display Panel, Color)                                                                                                                                                                                                                                                                                                       |
| Language | 33 Languages Selectable: Japanese/English(mm & inch)/German/French/Italian/Spanish/Dutch/Portuguese/Norwegian/Swedish/Danish/Finnish/Russian/Czech/Hungarian/Polish/Slovene/Turkish/Greek/Simplified Chinese/Traditional Chinese/Korean/Indonesian/Slovakian/Estonian/Latvian/Lithuanian/Ukrainian/Romanian/Bulgarian/Thai/Croatian/Vietnamese |

## ACOUSTIC NOISE (PC PRINT)

|                |                                                                                                                                        |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Acoustic Noise | Plain Paper(A4, Color) <sup>6</sup> : Approx. 40.5dB(A)<br>Photo Paper Pro Platinum (PT-101) (4x6,Color, borderless): Approx.38.5dB(A) |
| Quiet Mode     | Available                                                                                                                              |

## POWER

|       |                         |
|-------|-------------------------|
| Power | AC 100 -240 V 50 /60 Hz |
|-------|-------------------------|

## POWER CONSUMPTION

|                                          |                                                                |
|------------------------------------------|----------------------------------------------------------------|
| Standby (Minimum) (USB Connection to PC) | Approx. 1.0W*<br>*The wait time for standby cannot be changed. |
| OFF                                      | Approx. 0.05W                                                  |
| Printing (USB Connection to PC)          | Approx. 16W                                                    |
| Standby Sleep                            | for ErP Lot 26 regulation>: Approx. 2.3W                       |
| Time to enter Standby Mode               | for ErP Lot 26 regulation> : Approx. 15 minutes                |

## DIMENSIONS (W x D x H)

|                           |                            |
|---------------------------|----------------------------|
| With the trays retracted. | approx. 639 x 379 x 200 mm |
| With the trays extended.  | approx. 639 x 837 x 416 mm |

## WEIGHT

|        |                 |
|--------|-----------------|
| Weight | approx. 14.4 kg |
|--------|-----------------|

## GENERAL SPECIFICATIONS

|                         |                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Environment   | Temperature: 5~35 °C Humidity: 10~90 %RH (no dew condensation) <sup>4</sup>                                                                                                                            |
| Recommended Environment | Temperature: 15~30 °C Humidity: 10~80 %RH (no dew condensation) <sup>5</sup>                                                                                                                           |
| Storage Environment     | Temperature: 0~40 °C Humidity: 5~95 %RH (no dew condensation)                                                                                                                                          |
| Environment             | Temperature: 0~40 °C Humidity: 5~95 %RH (no dew condensation)<br>Energy saving: ErP Lot 6/26(EU)<br>Resource saving/Recycle: WEEE(EU)<br>Elimination of harmful substances: RoHS(Mainly EU), REACH(EU) |

## Footnotes:

- [1] Prints with a pitch of 1/2400 inch (ink droplets) at minimum
- [2] Print speed is based on the default setting using ISO/JIS-SCID N2 and does not take into account data processing time on host computer. Print speed may vary depending on system configuration, interface, software, document complexity, print mode, page coverage, type of paper used etc.
- [3] Minimum system requirements is according to that of OS and application software used.
- [4] Print quality may deteriorate depending on temperature and humidity
- [5] Refer to the paper package or the instruction manual supplied with the paper for temperature and humidity conditions of photo printing paper, etc.
- [6] Acoustic Noise is measured based on ISO7779 standard with default setting.
- [7] Declared yield value in accordance with ISO/IEC 29102. Values obtained by continuous printing. Right-click the image on Windows 10 and select "Print" from the menu to print.
- [8] When printing ISO/JIS-SCID N2 test file at 11" x 14" continuously on A3+ <paper size type>, with the default settings of testing paper using Windows 10 printer driver and Photoshop CC.