

Canon imagePROGRAF iPF5000

Cost Per Print and Ink Yield Analysis

			Canon Glossy Photographic Paper (240gsm)	Canon Heavyweight Satin Photographic Paper	Canon Premium RC Photomatte Paper
16"x20" Borderless (2.27 sq.ft. including borderless media waste)	N5 (a.k.a., Bicycle Chart)	Ink Cost	\$0.58	\$0.58	\$0.58
		Media Cost	\$0.89	\$1.04	\$1.52
		Total	\$1.47	\$1.62	\$2.10
		Avg. Number of Prints/Ink Set	1560	1560	1560
	Flower.tif	Ink Cost	\$1.85	\$1.85	\$1.85
		Media Cost	\$0.89	\$1.04	\$1.52
		Total	\$2.74	\$2.89	\$3.37
		Avg. Number of Prints/Ink Set	487	487	487
	Clouds.tif	Ink Cost	\$1.22	\$1.22	\$1.22
		Media Cost	\$0.89	\$1.04	\$1.52
		Total	\$2.11	\$2.26	\$2.74
		Avg. Number of Prints/Ink Set	742	742	742
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			Canon Fine Art Bright White 330gsm (Cut Sheet)	Canon Fine Art Photo Rag 188gsm	Canon Graphic Matte Canvas
17"x22" ANSI C (2.597 sq.ft.)	N5 (a.k.a., Bicycle Chart)	Ink Cost	\$0.52	\$0.52	\$0.58
		Media Cost	\$2.01	\$3.92	\$4.79
		Total	\$2.53	\$4.44	\$5.37
		Avg. Number of Prints/Ink Set	1733	1733	1560
	Flower.tif	Ink Cost	\$1.91	\$1.97	\$1.74
		Media Cost	\$2.01	\$3.92	\$4.79
		Total	\$3.92	\$5.89	\$6.53
		Avg. Number of Prints/Ink Set	472	458	520
	Clouds.tif	Ink Cost	\$1.33	\$1.39	\$1.28
		Media Cost	\$2.01	\$3.92	\$4.79
		Total	\$3.34	\$5.31	\$6.07
		Avg. Number of Prints/Ink Set	678	650	709
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			Canon Commercial Proofing Paper	Canon Premium Bright Photo Glossy Paper	Canon Fine Art Watercolor Paper
13"x19" Cut Sheets (1.715 sq.ft.)	N5 (a.k.a., Bicycle Chart)	Ink Cost	\$0.35	\$0.35	\$0.29
		Media Cost	\$0.60	\$1.23	\$2.08
		Total	\$0.95	\$1.58	\$2.37
		Avg. Number of Prints/Ink Set	2600	2600	3120
	Flower.tif	Ink Cost	\$1.16	\$1.04	\$1.22
		Media Cost	\$0.60	\$1.23	\$2.08
		Total	\$1.76	\$2.27	\$3.30
		Avg. Number of Prints/Ink Set	780	866	742
	Clouds.tif	Ink Cost	\$0.87	\$0.81	\$0.93
		Media Cost	\$0.60	\$1.23	\$2.08
		Total	\$1.47	\$2.04	\$3.01
		Avg. Number of Prints/Ink Set	1040	1114	975

The ink cost analysis is based on actual ink usage, using the specified type of paper and print mode with the printer driver under conditions stated below. This analysis is based on the printer's job log report on the amount of ink consumed to print. The media cost analysis is based on square footage from the size of the paper using roll feed paper except Fine Art Bright White 330gsm (Cut Sheet) and all of media used in 13"x19" analysis, which list per-sheet cost. The total cost is a sum of the cost of ink consumed and the media cost including any waste to print one complete print, and does not include the cost of other customer replaceable items such as a print head, a cutter, and a maintenance cartridge. The average number of prints per ink set represents the average number of prints that can be printed with a set of twelve 130ml ink cartridges. All cost information has been rounded up to two decimals and therefore, is not exact and should be used as a conservative estimate. All prices used in this analysis are based on MSRP in U.S. dollars as of August 2006. This document is created in August 2006, and specifications are subject to change without notice. All samples are printed under the following conditions: OS: Mac OS X 10.3.9, CPU: PowerPC G5 1.6GHz, RAM: 1GB, Application: Adobe Photoshop 7.0, Interface: 10/100 Base-TX, Driver: Print Plug-in for Photoshop v2.01 (Media Configuration Tool v2.0 applied), Rendering Intent: Relative Colorimetric, Print Mode: 2400x1200 dpi, 16-pass mode. (highest quality)

Sample images used in this analysis



NS (ISO-JIS SCID N5 a.k.a. "Bicycle Chart")
Color mode: Auto (Color); Color Space: sRGB; Output image size: 16"x20" Borderless and ANSI C: 16.2" x 20.2" (Image resized to fit paper, aspect ratio left unchanged from original.), 13"x19" Cut Sheets: 12.76"x15.95" (Fit to Media)



Flower (flower.tif) © David Sparer
Color Mode: Auto (Color); Color Space: ProPhoto RGB; Output image size: 16"x20" Borderless and ANSI C: 16.2" x 20.2" (Image resized and cropped to fit paper, original size: 16"x24"), 13"x19" Cut Sheets: 12.76"x15.91" (Fit to Media)



Clouds (clouds.tif) © David Sparer
Color Mode: Auto (Monochrome Photo); Color Space: ProPhoto RGB; Output image size: 16"x20" Borderless and ANSI C: 16.2" x 20.2" (Image resized and cropped to fit paper, original size: 20"x30"), 13"x19" Cut Sheets: 12.76"x15.91" (Fit to Media)

Media type mode used for this print cost analysis

Media Type	Printer Control Panel Media Mode*	Driver Media Setting*
Glossy Photographic Paper (240gsm)	"GlossyPhoto 240"	"Glossy Photographic Paper 240gsm"
Heavyweight Satin Photographic Paper (300gsm)	"HW Satin Photo"	"HW Satin Photo Paper"
Premium RC Photomatte Paper	"RC Photomatte"	"Premium RC PhotoMatte"
Fine Art Bright White 330gsm (Cut Sheet)	"FneArt HW Photo"	"Fine Art Heavyweight Photo"
Fine Art Photo Rag 188gsm	"FineArt Photo"	"Fine Art Photo"
Graphic Matte Canvas	"Canvas Matte 2"	"Canvas Matte 2"
Commercial Proofing Paper	"Proofing Paper"	"Proofing Paper"
Premium Bright Photo Glossy Paper	"HW Glossy Photo"	"Heavyweight Glossy Photo Paper"
Fine Art Watercolor	"FneArt Wtrclr"	"Fine Art Watercolor"

*After applying Media Configuration Tool v.2.01.

Ink Cartridge Information

Ink Cartridge	Item No.	MSRP	Cost/ml
PFI-101MBK - Matte Black Ink Tank	0882B001AA	\$75.00	\$0.577
PFI-101BK - Black Ink Tank	0883B001AA	\$75.00	\$0.577
PFI-101C - Cyan Ink Tank	0884B001AA	\$75.00	\$0.577
PFI-101M - Magenta Ink Tank	0885B001AA	\$75.00	\$0.577
PFI-101Y - Yellow Ink Tank	0886B001AA	\$75.00	\$0.577
PFI-101PC - Photo Cyan Ink Tank	0887B001AA	\$75.00	\$0.577
PFI-101PM - Photo Magenta Ink Tank	0888B001AA	\$75.00	\$0.577
PFI-101R - Red Ink Tank	0889B001AA	\$75.00	\$0.577
PFI-101G - Green Ink Tank	0890B001AA	\$75.00	\$0.577
PFI-101B - Blue Ink Tank	0891B001AA	\$75.00	\$0.577
PFI-101GY - Gray Ink Tank	0892B001AA	\$75.00	\$0.577
PFI-101PGY - Photo Gray Ink Tank	0893B001AA	\$75.00	\$0.577

Canon Media Information

Media Name	Item No.	MSRP	Cost/sq.ft.	Media Name	Item No.	MSRP	Cost/sq.ft.
Satin Photographic Paper (190gsm) 8½x11, 100 Sheets	0848V602	\$21.70	\$0.22/sheet	Fine Art Bright White (230gsm) 8½x11, 100 Sheets	0850V065	\$19.50	\$0.20/sheet
Satin Photographic Paper (190gsm) 13x19, 100 Sheets	0848V603	\$56.80	\$0.57/sheet	Fine Art Bright White (230gsm) 13x19, 100 Sheets	0850V066	\$51.50	\$0.52/sheet
Satin Photographic Paper (190gsm) 17"x100ft	0848V604	\$49.90	\$0.35	Fine Art Bright White (230gsm) 17"x50ft	0850V067	\$38.10	\$0.54
Glossy Photographic Paper (190gsm) 8½x11, 100 Sheets	0848V609	\$21.70	\$0.22/sheet	Fine Art Bright White (330gsm) 17x22, 50 Sheets	0850V072	\$100.50	\$2.01/sheet
Glossy Photographic Paper (190gsm) 13x19, 100 Sheets	0848V610	\$56.80	\$0.57/sheet	Fine Art Bright White (330gsm) 17"x50ft	0850V073	\$63.90	\$0.90
Glossy Photographic Paper (190gsm) 17"x100ft	0848V611	\$49.90	\$0.35	Fine Art Natural (230gsm) 8½x11, 100 Sheets	0850V059	\$19.50	\$0.20/sheet
Satin Photographic Paper (240gsm) 16"x100ft	0849V357	\$52.40	\$0.39	Fine Art Natural (230gsm) 13x19, 100 Sheets	0850V060	\$51.50	\$0.52/sheet
Glossy Photographic Paper (240gsm) 16"x100ft	0849V355	\$52.40	\$0.39	Fine Art Natural (230gsm) 17"x50ft	0850V061	\$38.10	\$0.54
Heavyweight Satin Photographic Paper 16"x100ft	0849V330	\$61.10	\$0.46	Fine Art Photo Rag 188gsm by Hahnemühle 17"x39ft	0835V598	\$83.30	\$1.48
Heavyweight Glossy Photographic Paper 16"x100ft	0849V334	\$61.10	\$0.46	Fine Art German Etching by Hahnemühle 17"x39ft	0850V750	\$95.80	\$1.73
Premium Bright Photo Glossy Paper, 8½x11, 100 Sheets	0846V951	\$45.60	\$0.46/sheet	Fine Art Enhanced Velvet by Somerset 255gsm, 17"x50ft	0826V675	\$136.80	\$1.93
Premium Bright Photo Glossy Paper, 13x19, 100 Sheets	0846V953	\$123.00	\$1.23/sheet	Fine Art Enhanced Velvet by Somerset 225gsm, 13x19 25 Sheets	0834V773	\$42.20	\$1.69/sheet
Premium Bright Photo Glossy Paper, 17"x100ft	0846V955	\$84.10	\$0.59	Fine Art Enhanced Velvet by Somerset 225gsm, 17x22 25 Sheets	0834V774	\$73.80	\$2.95/sheet
Premium Bright Photo Satin Paper, 8½x11, 100 Sheets	0846V952	\$45.60	\$0.46/sheet	Graphic Matte Canvas 17"x40ft	0826V690	\$104.60	\$1.85
Premium Bright Photo Satin Paper, 13x19, 100 Sheets	0846V954	\$123.00	\$1.23/sheet	Fine Art Water Resistant Canvas 17"x40ft	0849V395	\$62.20	\$1.10
Premium Bright Photo Satin Paper 17"x100ft	0846V956	\$84.10	\$0.59	Fine Art Water Resistant Canvas 17x22, 100 Sheets	0849V399	\$126.00	\$1.26/sheet
Premium RC Photo Luster Paper, 13x19, 100 Sheets	0870V874	\$127.30	\$1.27/sheet	Fine Art Watercolor, 8½x11, 100 Sheets	0365V315	\$84.00	\$0.84/sheet
Premium RC Photo Luster Paper 16"x100ft	0870V879	\$89.20	\$0.67	Fine Art Watercolor, 13x19, 100 Sheets	0365V316	\$208.20	\$2.08/sheet
Premium RC Photomatte Paper 16"x100ft	0870V875	\$89.20	\$0.67	Fine Art Watercolor 17"x50ft	0826V685	\$104.50	\$1.48
Premium RC Photogloss Paper 16"x100ft	0870V878	\$89.20	\$0.67	Commercial Proofing Paper 13x19, 100 Sheets	0848V599	\$60.00	\$0.60/sheet
Premium Matte Paper 17"x100ft	5920A010AA	\$57.40	\$0.41				
Heavyweight Matte Coated Paper 17"x100ft	0849V341	\$32.40	\$0.23				

Bold typeface denotes media items used in the cost analysis