

Canon imagePROGRAF iPF9000/iPF8000

Cost Per Print and Ink Yield Analysis



60" Roll

		Canon Heavyweight Satin Photographic Paper	Canon Durable Banner	Canon Premium Matte Paper
N5 60" x 75" (31.25 sq.ft.)	Ink Cost (330/700ml)	\$6.66/\$5.36	\$6.57/\$5.28	\$6.96/\$5.60
	Media Cost	\$12.54	\$11.57	\$13.22
	Total (330/700ml)	\$19.20/\$17.90	\$18.14/\$16.85	\$20.18/\$18.82
	Cost per square foot (330/700ml)	\$0.615/\$0.573	\$0.581/\$0.540	\$0.646/\$0.603
	Avg. # of Prints/Ink Set (330/700ml)	295/626	300/636	282/600
Juice Bar 60" x 84" (35 sq.ft.)	Ink Cost (330/700ml)	\$16.41/\$13.20	\$17.60/\$14.16	\$18.99/\$15.28
	Media Cost	\$14.04	\$12.93	\$14.81
	Total (330/700ml)	\$30.45/\$27.24	\$30.53/\$27.09	\$33.80/\$30.09
	Cost per square foot (330/700ml)	\$0.870/\$0.779	\$0.872/\$0.774	\$0.966/\$0.860
	Avg. # of Prints/Ink Set (330/700ml)	120/254	111/237	103/219
Travel 60" x 90" (37.5 sq.ft.)	Ink Cost (330/700ml)	\$17.95/\$14.44	\$18.24/14.68	\$20.33/\$16.36
	Media Cost	\$15.04	\$13.85	\$15.87
	Total (330/700ml)	\$32.99/\$29.48	\$32.09/\$28.53	\$36.20/\$32.23
	Cost per square foot (330/700ml)	\$0.880/\$0.787	\$0.856/0.761	\$0.966/\$0.860
	Avg. # of Prints/Ink Set (330/700ml)	109/232	107/228	96/205

42" Roll

		Canon Graphic Matte Canvas	Canon Banner Vinyl	Canon Durable Backlit Film
N5 42" x 53" (14.45 sq.ft.)	Ink Cost (330/700ml)	\$3.19/\$2.56	\$3.04/\$2.44	\$3.09/\$2.48
	Media Cost	\$26.68	\$20.75	\$13.34
	Total (330/700ml)	\$29.87/\$29.24	\$23.79/\$23.19	\$16.43/\$15.82
	Cost per square foot (330/700ml)	\$2.067/\$2.024	\$1.646/\$1.605	\$1.137/\$1.095
	Avg. # of Prints/Ink Set (330/700ml)	618/1312	649/1377	638/1354
Juice Bar 42" x 60" (17.5 sq.ft.) <small>(+ 42" x 3.94" (1.143 sqft) media waste for borderless prints)</small>	Ink Cost (330/700ml)	\$9.40/\$7.56 (borderless)	\$9.25/\$7.44	\$8.35/\$6.72
	Media Cost	\$34.42 (incl. waste)	\$26.77	\$17.22
	Total (330/700ml)	\$43.82/\$41.98	\$36.02/\$34.21	\$25.57/\$23.94
	Cost per square foot (330/700ml)	\$2.350/\$2.252	\$1.932/\$1.835	\$1.371/\$1.284
	Avg. # of Prints/Ink Set (330/700ml)	209/444	212/451	235/500
Travel 42" x 63" (18.37 sq.ft.)	Ink Cost (330/700ml)	\$9.20/\$7.40	\$9.25/\$7.44	\$8.55/\$6.88
	Media Cost	\$33.92	\$26.38	\$16.96
	Total (330/700ml)	\$43.12/\$41.32	\$35.63/\$33.82	\$25.51/\$23.84
	Cost per square foot (330/700ml)	\$2.347/\$2.249	\$1.939/\$1.841	\$1.389/\$1.298
	Avg. # of Prints/Ink Set (330/700ml)	214/454	212/451	230/488


36" Roll

		Canon Premium Coated Paper	Canon Glossy Photographic Paper (240gsm)	Canon Fine Art German Etching by Hahnemühle
N5 36" x 45" (11.25 sq.ft.)	Ink Cost (330/700ml)	\$2.09/\$1.68	\$2.29/\$1.84	\$2.54/\$2.04
	Media Cost	\$1.68	\$4.01	\$18.19
	Total (330/700ml)	\$3.77/\$3.36	\$6.30/\$5.85	\$20.73/\$20.23
	Cost per square foot (330/700ml)	\$0.335/\$0.298	\$0.560/\$0.520	\$1.842/\$1.798
	Avg. # of Prints/Ink Set (330/700ml)	942/2000	860/1826	776/1647
Juice Bar 36" x 48" (12.0 sq.ft.) <small>(+ 36" x 3.94" (0.911 sqft) media waste for borderless prints)</small>	Ink Cost (330/700ml)	\$5.77/\$4.64 (borderless)	\$5.62/\$4.52 (borderless)	\$6.86/\$5.52 (borderless)
	Media Cost	\$1.92 (incl. waste)	\$4.61 (incl. waste)	\$20.87 (incl. waste)
	Total (330/700ml)	\$7.69/\$6.56	\$10.23/\$9.13	\$27.73/\$26.39
	Cost per square foot (330/700ml)	\$0.596/\$0.508	\$0.792/\$0.707	\$2.148/\$2.044
	Avg. # of Prints/Ink Set (330/700ml)	341/724	503/743	286/608
Travel 36" x 54" (13.5 sq.ft.)	Ink Cost (330/700ml)	\$6.07/\$4.88	\$6.17/\$4.96	\$7.16/\$5.76
	Media Cost	\$2.01	\$4.82	\$21.82
	Total (330/700ml)	\$8.08/\$6.89	\$10.99/\$9.78	\$28.98/\$27.58
	Cost per square foot (330/700ml)	\$0.598/\$0.510	\$0.813/\$0.724	\$2.147/\$2.043
	Avg. # of Prints/Ink Set (330/700ml)	324/688	319/677	275/583


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. The total cost stated is a sum of the cost of ink and the media 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 prints per ink set represents the average number of prints that can be printed with a set of twelve ink cartridges. All cost information has been rounded up, and there are minute discrepancies in the total because of the rounding error. The result of this analysis may not be exact and is not guaranteed, and therefore should only be used as a guide to estimate cost. All prices used in this analysis are based on MSRP in U.S. dollars as of February 2007. This document is created in February 2007, and specifications are subject to change without notice.

Samples are printed under the following conditions: Printer: iPF9000 for 60" Roll, iPF8000 for 42" and 36" Roll, OS: Windows XP SP2, CPU: Pentium 4/3.2GHz, RAM: 1GB, Interface: 10/100 Base-TX, iPF9000 Driver: Windows Driver Ver 3.20 (Media Configuration Tool v1.0 applied), iPF8000 Driver: Windows Driver Ver 3.40 (Media Configuration Tool V1.0 applied).

Sample images used in this analysis



N5.tif (ISO-JIS SCID N5 a.k.a. "Bicycle")
 Application: Adobe Photoshop CS2;
 Output image size: 60" Roll: 60"x75"
 (Image size: 59.60"x74.50", image
 resized to fit paper), 42" Roll: 42"x52.5"
 (Image size: 41.60"x51.90"), 36" Roll:
 36"x45" (Image size: 35.60"x44.40")



Juice Bar (PosterArtist file)
 Application: PosterArtist v1.31; Output image
 size: 60" Roll: 60"x84" (image size: 59.60"x83.60",
 resized in PosterArtist), 42" Roll: 42"x60" (image
 size: 41.60"x62.40" (bordered), 42"x60" (borderless),
 resized in PosterArtist), 36" Roll: 36"x48" (image
 size: 35.60"x47.40" (bordered), 36"x48" (borderless),
 resized in PosterArtist)



Travel (01_travel.ai)
 Application: Adobe Illustrator CS2,
 Output image size: 60" Roll: 60"x90"
 (image size: 59.60"x89.40"), 42" Roll:
 42"x63" (image size: 41.60"x62.40"),
 36" Roll: 36"x54" (image size:
 35.60"x53.40")

Canon Media Information

Media Name	Item No.	MSRP	Cost/sq.ft.	Media Name	Item No.	MSRP	Cost/sq.ft.
Durable Banner 36" x 100ft	0834V778	\$110.80	\$0.37	Glossy Photographic Paper (190 gsm) 36" x 100ft	0848V613	\$93.30	\$0.32
Durable Banner 42" x 100ft	0834V779	\$129.20	\$0.37	Glossy Photographic Paper (190 gsm) 42" x 100ft	0848V614	\$112.20	\$0.33
Durable Banner 60" x 100ft	0834V780	\$184.60	\$0.37	Glossy Photographic Paper (190 gsm) 60" x 100ft	0848V616	\$154.90	\$0.31
Adhesive Matte Vinyl 36" x 66ft	0546V881	\$184.60	\$0.94	Satin Photographic Paper (190 gsm) 36" x 100ft	0848V606	\$93.30	\$0.32
Adhesive Matte Vinyl 42" x 66ft	0546V882	\$215.40	\$0.94	Satin Photographic Paper (190 gsm) 42" x 100ft	0848V607	\$112.20	\$0.33
Removable Banner Vinyl 36" x 75ft	0856V685	\$245.00	\$1.09	Satin Photographic Paper (190 gsm) 60" x 100ft	0848V608	\$154.90	\$0.31
Removable Banner Vinyl 42" x 75ft	0856V686	\$289.90	\$1.11	Glossy Photographic Paper (240 gsm) 36" x 100ft	0849V337	\$106.90	\$0.36
Removable Banner Vinyl 50" x 75ft	0856V687	\$340.30	\$1.09	Glossy Photographic Paper (240 gsm) 42" x 100ft	0849V338	\$127.50	\$0.37
Tyvek Banner 36" x 66ft	0849V401	\$219.32	\$1.11	Glossy Photographic Paper (240 gsm) 60" x 100ft	0849V340	\$171.00	\$0.35
Tyvek Banner 42" x 66ft	0849V402	\$255.88	\$1.11	Satin Photographic Paper (240 gsm) 36" x 100ft	0849V359	\$106.90	\$0.36
Tyvek Banner 50" x 66ft	0849V403	\$304.62	\$1.11	Satin Photographic Paper (240 gsm) 42" x 100ft	0849V360	\$127.50	\$0.37
Banner Vinyl 36" x 40ft	0546V884	\$172.30	\$1.44	Satin Photographic Paper (240 gsm) 60" x 100ft	0849V361	\$171.00	\$0.35
Banner Vinyl 42" x 40ft	0546V885	\$201.00	\$1.44	Heavyweight Glossy Photographic Paper 36" x 100ft	0849V391	\$124.60	\$0.42
Transparent Clear Film 36" x 100ft	0834V803	\$153.85	\$0.52	Heavyweight Glossy Photographic Paper 42" x 100ft	0849V392	\$149.20	\$0.43
Durable Backlit Film 36" x 100ft	0834V787	\$276.90	\$0.93	Heavyweight Glossy Photographic Paper 60" x 100ft	0849V393	\$200.50	\$0.41
Durable Backlit Film 42" x 100ft	0834V788	\$323.10	\$0.93	Heavyweight Satin Photographic Paper 36" x 100ft	0849V332	\$124.60	\$0.42
Durable Backlit Film 50" x 100ft	0834V789	\$384.60	\$0.93	Heavyweight Satin Photographic Paper 42" x 100ft	0849V333	\$149.20	\$0.43
Graphic Matte Canvas 36" x 40ft	0214V011	\$223.15	\$1.86	Heavyweight Satin Photographic Paper 60" x 100ft	0849V334	\$200.50	\$0.41
Graphic Matte Canvas 42" x 40ft	0214V012	\$258.45	\$1.85	Premium Bright Photo Glossy Paper 36" x 100ft	0846V959	\$176.40	\$0.59
Graphic Matte Canvas 50" x 40ft	0826V691	\$308.60	\$1.86	Premium Bright Photo Glossy Paper 42" x 100ft	0846V962	\$235.90	\$0.68
Graphic Matte Canvas 60" x 40ft	0826V692	\$369.25	\$1.85	Premium Bright Photo Glossy Paper 60" x 100ft	0846V964	\$338.50	\$0.68
Fine Art Watercolor Paper 36" x 50ft	0826V688	\$237.25	\$1.59	Premium Bright Photo Satin Paper 36" x 100ft	0846V961	\$176.40	\$0.59
Fine Art Watercolor Paper 44" x 50ft	0826V687	\$264.20	\$1.45	Premium Bright Photo Satin Paper 42" x 100ft	0846V963	\$235.90	\$0.68
Fine Art Watercolor Paper 50" x 50ft	0826V689	\$282.50	\$1.36	Premium Bright Photo Satin Paper 60" x 100ft	0846V965	\$338.50	\$0.68
Fine Art Natural (230 gsm) 36" x 50ft	0850V063	\$80.80	\$0.54	Premium RC Photomatte Paper 36" x 100ft	0420V866	\$179.45	\$0.60
Fine Art Natural (230 gsm) 60" x 50ft	0850V064	\$112.20	\$0.45	Premium RC Photomatte Paper 42" x 100ft	0420V867	\$215.40	\$0.62
Fine Art Bright White (230 gsm) 36" x 50ft	0850V069	\$80.78	\$0.54	Premium RC Photogloss Paper 36" x 100ft	0612V937	\$179.45	\$0.60
Fine Art Bright White (230 gsm) 60" x 50ft	0850V070	\$134.63	\$0.54	Premium RC Photogloss Paper 42" x 100ft	0612V938	\$215.40	\$0.62
Fine Art Bright White (330 gsm) 36" x 50ft	0850V075	\$135.38	\$0.91				
Fine Art Bright White (330 gsm) 60" x 50ft	0850V076	\$225.64	\$0.91				
Fine Art Photo Rag 188gsm by Hahnemühle 36"x39ft	0635V211	\$192.00	\$1.65				
Fine Art Photo Rag 188gsm by Hahnemühle 44"x39ft	0635V208	\$250.10	\$1.75				
Fine Art German Etching by Hahnemühle 36"x39ft	0850V753	\$189.10	\$1.62				
Fine Art German Etching by Hahnemühle 44"x39ft	0850V749	\$252.90	\$1.77				
Matte Coated Paper (170 gsm) 36" x 100ft	0849V350	\$41.50	\$0.14				
Matte Coated Paper (170 gsm) 42" x 100ft	0849V351	\$50.50	\$0.15				
Matte Coated Paper (170 gsm) 60" x 100ft	0849V352	\$73.80	\$0.15				
Premium Coated Paper 36" x 100ft	3853A004AA	\$44.55	\$0.15				
Premium Coated Paper 42" x 100ft	5920A004AA	\$52.90	\$0.16				
Premium Matte Paper 36" x 100ft	5920A006AA	\$125.45	\$0.42				
Premium Matte Paper 42" x 100ft	5920A005AA	\$161.50	\$0.47				
Premium Matte Paper 60" x 100ft	5920A009AA	\$211.51	\$0.43				
Heavyweight Matte Coated Paper 36" x 100ft	0849V343	\$58.90	\$0.20				
Heavyweight Matte Coated Paper 42" x 100ft	0849V344	\$71.20	\$0.21				
Heavyweight Matte Coated Paper 60" x 100ft	0849V345	\$98.20	\$0.20				

Ink Tank Information

Color	PFI-301 (330ml)	MSRP	Cost/ml	PFI-701 (700ml)	MSRP	Cost/ml
Matte Black	1485B001AA	\$164.00	\$0.497	0899B001AA	\$280.00	\$0.400
Black	1486B001AA	\$164.00	\$0.497	0900B001AA	\$280.00	\$0.400
Cyan	1487B001AA	\$164.00	\$0.497	0901B001AA	\$280.00	\$0.400
Magenta	1488B001AA	\$164.00	\$0.497	0902B001AA	\$280.00	\$0.400
Yellow	1489B001AA	\$164.00	\$0.497	0903B001AA	\$280.00	\$0.400
Photo Cyan	1490B001AA	\$164.00	\$0.497	0904B001AA	\$280.00	\$0.400
Photo Magenta	1491B001AA	\$164.00	\$0.497	0905B001AA	\$280.00	\$0.400
Red	1492B001AA	\$164.00	\$0.497	0906B001AA	\$280.00	\$0.400
Green	1493B001AA	\$164.00	\$0.497	0907B001AA	\$280.00	\$0.400
Blue	1494B001AA	\$164.00	\$0.497	0908B001AA	\$280.00	\$0.400
Gray	1495B001AA	\$164.00	\$0.497	0909B001AA	\$280.00	\$0.400
Photo Gray	1496B001AA	\$164.00	\$0.497	0910B001AA	\$280.00	\$0.400