

Scan Resolution Chart



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Technical Data Sheet

Images that are to be placed within a document should be scanned to the dimensions (height and width) of the finished size. It is always best to set files up at 100% of output size. The resolution required depends heavily on the viewing distance. Since larger prints are viewed at greater distances, it is not necessary to use the same ppi (dpi) as for smaller prints. Use this chart below as a general guide.

As a general guide resolutions below 100 ppi will lack detail and have jagged lines. Resolutions above 200 will show little gain. In no case should you use resolutions above 305 ppi.

		Scan Resolution - ppi												
		75	90	100	110	120	130	140	150	175	200	250	300	ppi
Print Size	16 x 20	5	7	9	11	13	15	18	21	28	37	57	82	305
	20 x 24	8	11	14	17	20	23	27	31	42	55	86	124	275
	24 x 24	9	13	16	20	24	28	32	37	50	66	103	148	250
	24 x 30	12	17	21	25	30	35	40	46	63	82	129	185	225
	24 x 48	19	27	33	40	47	56	65	74	101	132	206	297	175
	30 x 40	19	28	34	42	49	58	67	77	105	137	215	309	175
	40 x 50	32	46	57	69	82	97	112	129	175	229	358	515	150
	48 x 50	39	56	69	83	99	116	135	154	210	275	429	618	133
	48 x 60	46	67	82	100	119	139	161	185	252	330	515	742	125
	48 x 72	56	80	99	120	142	167	194	222	303	396	618	890	115
48 x 84	65	93	115	140	166	195	226	260	353	461	721	1038	110	
48 x 96	74	107	132	160	190	223	258	297	404	527	824	1187	100	

file size in meg.

- Low resolution. Not recommended.
- Enough resolution if high quality is not critical.
- Sufficient resolution to make a good quality print.
- Recommended. Best balance between high resolution and large file size.
- Little quality gain.*
- Very little quality gain.*

*Files in this range require long processing times. The increased quality is seldom offset by the increase time required.