

- Inkjet The Preferred Scan Resolution Factor is 1/3 of the inkjet output resolution (Dots Per Inch or DPI),
- Scan Resolutions exceeding the inkjet output DPI resolution unnecessarily increase printing time.

**Scan Resolution**

1.0

Original Size	300 PPI Capture	Required Resolution For Output To:								
		2-1/2 x 3-1/2	3-1/2 x 5	5 x 7	8 x 10	11 x 14	16 x 20	20 x 24	20 x 30	24 x 30
1 x 1-1/2	720	1,020	1,450	2,190	3,040	4,380	5,370	6,000	6,570	8,490
1-3/4 x 2-1/4	450	630	890	1,350	1,880	2,700	3,310	3,700	4,060	5,240
2-1/4 x 2-3/4	360	500	710	1,080	1,500	2,160	2,640	2,950	3,240	4,180
2-1/2 x 3-1/2	300	420	600	910	1,260	1,810	2,220	2,480	2,720	3,510
3-1/2 x 5	210	300	420	640	890	1,280	1,570	1,760	1,920	2,480
5 x 7	150	210	300	450	630	910	1,110	1,240	1,360	1,760
8 x 10	100	140	200	300	420	600	730	820	900	1,160

Original Size	240 PPI Capture	Required Resolution For Output To:								
		2-1/2 x 3-1/2	3-1/2 x 5	5 x 7	8 x 10	11 x 14	16 x 20	20 x 24	20 x 30	24 x 30
1 x 1-1/2	580	820	1,160	1,750	2,430	3,510	4,290	4,800	5,260	6,790
1-3/4 x 2-1/4	360	510	720	1,080	1,500	2,160	2,650	2,960	3,250	4,190
2-1/4 x 2-3/4	290	400	570	860	1,200	1,730	2,110	2,360	2,590	3,340
2-1/2 x 3-1/2	240	340	480	730	1,010	1,450	1,780	1,990	2,180	2,810
3-1/2 x 5	170	240	340	510	710	1,030	1,260	1,410	1,540	1,990
5 x 7	120	170	240	360	500	730	890	990	1,090	1,410
8 x 10	80	110	160	240	330	480	590	660	720	930

Original Size	200 PPI Capture	Required Resolution For Output To:								
		2-1/2 x 3-1/2	3-1/2 x 5	5 x 7	8 x 10	11 x 14	16 x 20	20 x 24	20 x 30	24 x 30
1 x 1-1/2	480	680	970	1,460	2,030	2,920	3,580	4,000	4,380	5,660
1-3/4 x 2-1/4	300	420	600	900	1,250	1,800	2,210	2,470	2,700	3,490
2-1/4 x 2-3/4	240	340	480	720	1,000	1,440	1,760	1,970	2,160	2,790
2-1/2 x 3-1/2	200	280	400	600	840	1,210	1,480	1,660	1,810	2,340
3-1/2 x 5	140	200	280	430	590	860	1,050	1,170	1,280	1,660
5 x 7	100	140	200	300	420	600	740	830	910	1,170
8 x 10	70	90	130	200	280	400	490	550	600	770

- Press Scan Resolution Factor should be 1-1/2 to 2 times the actual output resolution (Lines Per Inch or LPI),
  - Scan Resolutions exceeding 2-1/2 times the output LPI resolution unnecessarily increases printing time.
- To manually calculate effective scan resolution for a specified image and reproduction size :  
 ( Longest Output Dimension X ( 1.5 or 2 X Output Resolution [LPI] ) ) ÷ Longest Original Dimension

**Commercial Offset Press ( i.e. Brochures, magazines, etc)**

1.5

Original Size	85 LPI Output	Required Resolution For Output To:								
		2-1/2 x 3-1/2	3-1/2 x 5	5 x 7	8 x 10	11 x 14	16 x 20	20 x 24	20 x 30	24 x 30
1 x 1-1/2	310	440	620	930	1,290	1,860	2,280	2,550	2,790	3,610
1-3/4 x 2-1/4	190	270	380	570	800	1,150	1,410	1,570	1,720	2,230
2-1/4 x 2-3/4	150	210	300	460	640	920	1,120	1,260	1,380	1,780
2-1/2 x 3-1/2	130	180	260	390	530	770	940	1,060	1,160	1,490
3-1/2 x 5	90	130	180	270	380	550	670	750	820	1,060
5 x 7	60	90	130	190	270	390	470	530	580	750
8 x 10	40	60	80	130	180	260	310	350	380	490

Original Size	133 LPI Output	Required Resolution For Output To:									Maximum Resolution (ppi) = 12,800
		2-1/2 x 3-1/2	3-1/2 x 5	5 x 7	8 x 10	11 x 14	16 x 20	20 x 24	20 x 30	24 x 30	
1 x 1-1/2	480	680	960	1,460	2,020	2,910	3,570	3,990	4,370	5,640	
1-3/4 x 2-1/4	300	420	590	900	1,250	1,800	2,200	2,460	2,700	3,480	
2-1/4 x 2-3/4	240	340	470	720	1,000	1,430	1,760	1,960	2,150	2,780	
2-1/2 x 3-1/2	200	280	400	600	840	1,210	1,480	1,650	1,810	2,340	
3-1/2 x 5	140	200	280	430	590	850	1,040	1,170	1,280	1,650	
5 x 7	100	140	200	300	420	600	740	830	900	1,170	
8 x 10	70	90	130	200	280	400	490	550	600	770	