

# Hyperfocal Distance

- The Near Limit of Hyperfocal Distance is one half of the Hyperfocal Distance.
- Hyperfocal Distance and Near Limit doubles for every 2 stops you open up.
- Hyperfocal Distance and Near Limit quadruples when you double the focal length of your lens.

# Hyperfocal Distances for SLR's with 1.0 Sensor Factor

(All distances in Feet unless noted)

Focus Length (mm)	f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper
<b>17</b>	4	8	3	6	2	4	1	3	1	2	7"	1	6"	1
<b>28</b>	11	22	8	15	5	11	4	8	3	5	2	4	1' 6"	3
<b>35</b>	17	34	12	24	8	17	6	12	4	8	3	6	2	4
<b>50</b>	34	69	24	49	17	34	13	25	9	17	6	13	4	9
<b>70</b>	67	134	48	96	34	67	24	49	17	34	12	25	8	17
<b>100</b>	137	274	98	196	69	137	50	100	34	69	25	50	17	35
<b>135</b>	249	499	178	356	125	250	91	182	63	125	46	91	31	63
<b>150</b>	308	616	220	440	154	308	112	224	77	154	56	112	39	77
<b>200</b>	547	1094	391	782	274	547	199	598	137	274	100	199	69	137
<b>250</b>	855	1710	611	1221	428	855	311	622	214	428	156	312	107	214
<b>300</b>	1231	2462	879	1759	616	1231	448	896	308	616	224	448	154	309
<b>350</b>	1675	3350	1197	2393	838	1676	610	1219	419	838	305	610	210	420
<b>400</b>	2188	4376	1563	3126	1094	2189	796	1592	547	1095	398	797	274	548
<b>500</b>	3418	6837	2442	4884	1710	3419	1244	2487	855	1710	622	1244	428	856

# Hyperfocal Distances for SLR's with 1.3 Sensor Factor

(All distances in Feet unless noted)

Focus Length (mm)	f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper
<b>17</b>	5	10	4	7	2' 6"	5	2	4	1' 6"	3	1	2	8"	1' 4"
<b>28</b>	14	28	10	20	7	14	5	10	3' 6"	7	2' 6"	5	2	4
<b>35</b>	22	44	16	31	11	22	8	16	6	11	4	8	3	6
<b>50</b>	45	89	32	64	22	45	16	33	11	22	8	16	6	11
<b>70</b>	87	175	63	125	44	88	32	64	22	44	16	32	11	22
<b>100</b>	178	357	128	255	89	179	65	130	45	89	33	65	22	45
<b>135</b>	325	650	232	465	163	325	118	237	81	163	59	119	41	82
<b>150</b>	401	803	287	574	201	402	146	292	101	201	73	146	50	101
<b>200</b>	714	1427	510	1020	357	714	260	519	179	357	130	260	89	179
<b>250</b>	1115	2230	796	1593	558	1115	406	811	279	558	203	406	140	279
<b>300</b>	1605	3211	1147	2293	803	1606	584	1168	402	803	292	585	201	402
<b>350</b>	2185	4370	1561	3122	1093	2185	795	1590	547	1093	398	795	274	547
<b>400</b>	2854	5707	2038	4077	1427	2854	1038	2076	714	1428	519	1039	357	715
<b>500</b>	4458	8917	3185	6370	2230	4459	1622	3244	1115	2230	811	1623	558	1116

# Hyperfocal Distances for SLR's with 1.6 Sensor Factor

(All distances in Feet unless noted)

Focus Length (mm)	f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper	Near	Hyper
<b>17</b>	6	13	4	9	3	6	2	5	1' 7"	3	1' 2"	2	10"	2
<b>28</b>	17	34	12	24	9	17	6	12	4	9	3	6	2	4
<b>35</b>	26	53	19	38	13	27	10	19	7	13	5	10	3' 6"	7
<b>50</b>	54	108	39	77	27	54	20	39	14	27	10	20	7	14
<b>70</b>	106	212	76	151	53	106	39	77	27	53	19	39	13	27
<b>100</b>	216	432	154	309	108	216	79	157	54	108	39	79	27	54
<b>135</b>	394	787	281	562	197	394	143	287	99	197	72	143	49	99
<b>150</b>	486	972	347	694	243	486	177	354	122	243	89	177	61	122
<b>200</b>	864	1727	617	1234	432	864	314	629	216	432	157	315	108	217
<b>250</b>	1349	2699	964	1928	675	1350	491	982	338	675	246	491	169	338
<b>300</b>	1943	3886	1388	2776	972	1944	707	1414	486	972	354	707	243	487
<b>350</b>	2645	5289	1889	3778	1323	2645	962	1924	662	1323	481	963	331	662
<b>400</b>	3454	6908	2467	4935	1727	3455	1256	2513	864	1728	629	1257	432	865
<b>500</b>	5397	10794	3855	7710	2699	5398	1963	3926	1350	2700	982	1964	675	1351

Also use this table for SLR's with a 1.5 Sensor Factor, such as Nikon.

The difference in Hyperfocal Distance is not significant and this table will provide a slightly higher standard of sharpness

# Hyperfocal Distance

## Tip for Hyperfocal Distance

- Compose picture and focus on closest object you want to be sharp.
- Check focal length and find this distance in the appropriate Near column.
- Set the corresponding f/stop and set the lens at the Hyperfocal Distance.