



Lens Selection Chart

Lens Focal Length MM			Camera Model			Measurement			Object Distance															
									5 feet		10 feet		15 feet		25 feet		50feet		100feet		150feet		200feet	
									Horizontal F.O.V	Vertical F.O.V	Horizontal F.O.V	Vertical F.O.V	Horizontal F.O.V	Vertical F.O.V	Horizontal F.O.V	Vertical F.O.V	Horizontal F.O.V	Vertical F.O.V	Horizontal F.O.V	Vertical F.O.V	Horizontal F.O.V	Vertical F.O.V	Horizontal F.O.V	Vertical F.O.V
5mm H0514-MP	DS-2CD892/893 4CIF (704*480)	Object Dimension(ft)	4.6	3.6	9.1	7.2	13.7	10.8	22.8	18.0	45.6	36.0	91.3	71.9	136.9	107.9	182.5	143.9						
		Pixel Density (pix/ft)	154	160	77	80	51	53	31	32	15	16	8	8	5	5	4	4						
	DS-2CD862/863 1.3MP (1280*720)	Object Dimension(ft)	4.8	3.6	9.6	7.2	14.4	10.8	23.9	18.0	47.9	36.0	95.7	71.9	143.5	107.9	191.4	143.9						
		Pixel Density (pix/ft)	268	267	134	133	89	89	54	53	27	27	13	13	9	9	7	7						
	DS-2CD852/853 2.0MP (1600*1200)	Object Dimension(ft)	4.5	3.4	8.9	6.7	13.4	10.1	22.4	16.8	44.7	33.6	89.4	67.2	134.1	100.7	178.8	134.3						
		Pixel Density (pix/ft)	358	357	179	179	119	119	72	71	36	36	18	18	12	12	9	9						
	DS-2CD876BF 2.0MP (1600*1200)	Object Dimension(ft)	6.9	5.3	13.9	10.5	20.8	15.8	34.7	26.3	69.4	52.6	138.9	105.1	208.3	157.7	277.8	210.2						
		Pixel Density (pix/ft)	230	228	115	114	77	76	46	46	23	23	12	11	8	8	6	6						
	DS-2CD886BF-E 5.0MP (2560*1920)	Object Dimension(ft)	5.6	4.2	11.2	8.4	16.8	12.7	28.0	21.1	56.0	42.2	112.0	84.3	167.9	126.5	223.9	168.6						
		Pixel Density (pix/ft)	457	455	229	228	152	152	91	91	46	46	23	23	15	15	11	11						
8mm M0814-MP	DS-2CD892/893 4CIF (704*480)	Object Dimension(ft)	2.9	2.3	5.7	4.5	8.6	6.8	14.3	11.3	28.6	22.5	57.2	45.0	85.8	67.5	114.4	90.0						
		Pixel Density (pix/ft)	246	256	123	128	82	85	49	51	25	26	12	13	8	9	6	6						
	DS-2CD862/863 1.3MP (1280*720)	Object Dimension(ft)	3.0	2.3	6.0	4.5	9.0	6.8	15.0	11.3	30.0	22.5	60.0	45.0	90.0	67.5	119.9	90.0						
		Pixel Density (pix/ft)	427	427	213	213	142	142	85	85	43	43	21	21	14	14	11	11						
	DS-2CD852/853 2.0MP (1600*1200)	Object Dimension(ft)	2.8	2.1	5.6	4.2	8.4	6.3	14.0	10.5	28.0	21.0	56.0	42.0	84.0	63.0	112.0	84.0						
		Pixel Density (pix/ft)	572	571	286	286	190	190	114	114	57	57	29	29	19	19	14	14						
	DS-2CD876BF 2.0MP (1600*1200)	Object Dimension(ft)	4.4	3.3	8.8	6.6	13.2	9.9	22.0	16.5	43.9	33.0	87.8	66.0	131.7	98.9	175.6	131.9						
		Pixel Density (pix/ft)	364	364	182	182	121	121	73	73	36	36	18	18	12	12	9	9						
	DS-2CD886BF-E 5.0MP (2560*1920)	Object Dimension(ft)	3.5	2.6	7.0	5.3	10.6	7.9	17.6	13.2	35.2	26.4	70.3	52.8	105.5	79.2	140.7	105.6						
		Pixel Density (pix/ft)	728	727	364	364	243	242	146	145	73	73	36	36	24	24	18	18						
12mm MF1214M-MP	DS-2CD892/893 4CIF (704*480)	Object Dimension(ft)	1.9	1.5	3.8	3.0	5.7	4.5	9.5	7.5	19.1	15.0	38.1	30.0	57.2	45.0	76.3	60.0						
		Pixel Density (pix/ft)	369	384	185	192	123	128	74	77	37	38	18	19	12	13	9	10						
	DS-2CD862/863 1.3MP (1280*720)	Object Dimension(ft)	2.0	1.5	4.0	3.0	6.0	4.5	10.0	7.5	20.0	15.0	40.0	30.0	60.0	45.0	80.0	60.0						
		Pixel Density (pix/ft)	640	640	320	320	213	213	128	128	64	64	32	32	21	21	16	16						
	DS-2CD852/853 2.0MP (1600*1200)	Object Dimension(ft)	1.9	1.4	3.7	2.8	5.6	4.2	9.3	7.0	18.7	14.0	37.3	28.0	56.0	42.0	74.7	56.0						
		Pixel Density (pix/ft)	857	857	429	429	286	286	171	171	86	86	43	43	29	29	21	21						
	DS-2CD876BF 2.0MP (1600*1200)	Object Dimension(ft)	2.9	2.2	5.9	4.4	8.8	6.6	14.7	11.0	29.3	22.0	58.6	44.0	88.0	66.0	117.3	88.0						
		Pixel Density (pix/ft)	546	546	273	273	182	182	109	109	55	55	27	27	18	18	14	14						
	DS-2CD886BF-E 5.0MP (2560*1920)	Object Dimension(ft)	2.4	1.8	4.7	3.5	7.0	5.3	11.7	8.8	23.5	17.6	46.9	35.2	70.4	52.8	93.9	70.4						
		Pixel Density (pix/ft)	1091	1091	546	546	364	364	218	218	109	109	55	55	36	36	27	27						
16mm MF1614M-MP	DS-2CD892/893 4CIF (704*480)	Object Dimension(ft)	1.4	1.1	2.9	2.3	4.3	3.4	7.2	5.6	14.3	11.3	28.6	22.5	42.9	33.8	57.2	45.0						
		Pixel Density (pix/ft)	492	512	246	256	164	171	98	102	49	51	25	26	16	17	12	13						
	DS-2CD862/863 1.3MP (1280*720)	Object Dimension(ft)	1.5	1.1	3.0	2.3	4.5	3.4	7.5	5.6	15.0	11.3	30.0	22.5	45.0	33.8	60.0	45.0						
		Pixel Density (pix/ft)	853	853	427	427	284	284	171	171	85	85	43	43	28	28	21	21						
	DS-2CD852/853 2.0MP (1600*1200)	Object Dimension(ft)	1.4	1.1	2.8	2.1	4.2	3.2	7.0	5.3	14.0	10.5	28.0	21.0	42.0	31.5	56.0	42.0						
		Pixel Density (pix/ft)	1143	1143	571	571	381	381	229	229	114	114	57	57	38	38	29	29						
	DS-2CD876BF 2.0MP (1600*1200)	Object Dimension(ft)	2.2	1.7	4.4	3.3	6.6	5.0	11.0	8.3	22.0	16.5	44.0	33.0	66.0	49.5	88.0	66.0						
		Pixel Density (pix/ft)	727	727	364	364	242	242	145	145	73	73	36	36	24	24	18	18						
	DS-2CD886BF-E 5.0MP (2560*1920)	Object Dimension(ft)	1.8	1.3	3.5	2.6	5.3	4.0	8.8	6.6	17.6	13.2	35.2	26.4	52.8	39.6	70.4	52.8						
		Pixel Density (pix/ft)	1455	1454	727	727	485	485	291	291	145	145	73	73	48	48	36	36						
25mm MF2514M-MP	DS-2CD892/893 4CIF (704*480)	Object Dimension(ft)	0.9	0.7	1.8	1.4	2.8	2.2	4.6	3.6	9.2	7.2	18.4	14.4	27.5	21.6	36.7	28.8						
		Pixel Density (pix/ft)	767	800	383	400	256	267	153	160	77	80	38	40	26	27	19	20						
	DS-2CD862/863 1.3MP (1280*720)	Object Dimension(ft)	1.0	0.7	1.9	1.4	2.9	2.2	4.8	3.6	9.6	7.2	19.2	14.4	28.8	21.6	38.4	28.8						
		Pixel Density (pix/ft)	1333	1333	666	666	444	444	267	267	133	133	67	67	44	44	33	33						
	DS-2CD852/853 2.0MP (1600*1200)	Object Dimension(ft)	0.9	0.7	1.8	1.3	2.7	2.0	4.5	3.4	9.0	6.7	17.9	13.4	26.9	20.2	35.8	26.9						
		Pixel Density (pix/ft)	1786	1785	893	893	595	595	357	357	179	179	89	89	60	60	45	45						
	DS-2CD876BF 2.0MP (1600*1200)	Object Dimension(ft)	1.4	1.1	2.8	2.1	4.2	3.2	7.0	5.3	14.1	10.6	28.2	21.1	42.2	31.7	56.3	42.3						
		Pixel Density (pix/ft)	1136	1136	568	568	379	379	227	227	114	114	57	57	38	38	28	28						
	DS-2CD886BF-E 5.0MP (2560*1920)	Object Dimension(ft)	1.1	0.8	2.3	1.7	3.4	2.5	5.6	4.2	11.3	8.5	22.5	16.9	33.8	25.4	45.0	33.8						
		Pixel Density (pix/ft)	2273	2272	1137	1136	758	757	455	454	227	227	114	114	76	76	57	57						
35mm M3514-MP	DS-2CD892/893 4CIF (704*480)	Object Dimension(ft)	0.7	0.5	1.3	1.0	2.0	1.5	3.3	2.6	6.5	5.1	13.1	10.3	19.6	15.4	26.2	20.6						
		Pixel Density (pix/ft)	1077	1120	538	560	359	373	215	224	108	112	54	56	36	37	27	28						
	DS-2CD862/863 1.3MP (1280*720)	Object Dimension(ft)	0.7	0.5	1.4	1.0	2.1	1.5	3.4	2.6	6.9	5.1	13.7	10.3	20.6	15.4	27.4	20.6						
		Pixel Density (pix/ft)	1866	1866	933	933	622	622	373	373	187	187	93	93	62	62	47	47						
	DS-2CD852/853 2.0MP (1600*1200)	Object Dimension(ft)	0.6	0.5	1.3	1.0	1.9	1.4	3.2	2.4	6.4	4.8	12.8	9.6	19.2	14.4	25.6	19.2						
		Pixel Density (pix/ft)	2501	2498	1251	1249	834	833	500	500	250	250	125	125	83	83	63	62						
	DS-2CD876BF 2.0MP (1600*1200)	Object Dimension(ft)	1.0	0.8	2.0	1.5	3.0	2.3	5.0	3.8	10.1	7.6	20.1	15.1	30.2	22.6	40.2	30.2						
		Pixel Density (pix/ft)	1590	1590	795	795	530	530	318	318	159	159	80	80	53	53	40	40						
	DS-2CD886BF-E 5.0MP (2560*1920)	Object Dimension(ft)	0.8	0.6	1.6	1.2	2.4	1.8	4.0	3.0	8.1	6.0	16.1	12.1	24.1	18.1	32.2	24.2						
		Pixel Density (pix/ft)	3182	3180	1591	1590	1061	1060	636	636	318	318	159	159	106	106	80	80						
50mm MF5018M-MP	DS-2CD892/893 4CIF (704*480)	Object Dimension(ft)	0.5	0.4	0.9	0.7	1.4	1.1	2.3	1.8	4.6	3.6	9.2	7.2	14.5	10.8	19.4	14.4						
		Pixel Density (pix/ft)	1538	1601	769	801	513	534	308	320	154	160	77	80	49	53	36	40						
	DS-2CD862/863 1.3MP (1280*720)	Object Dimension(ft)	0.5	0.4	1.0	0.7	1.4	1.1	2.4	1.8	4.8	3.6	9.6	7.2	14.4	10.8	19.2	14.4						
		Pixel Density (pix/ft)	2665	2669	1332	1334	888	890	533	534	266	267	133	133	89	89	67	67						
	DS-2CD852/853 2.0MP (1600*1200)	Object Dimension(ft)	0.5	0.3	0.9	0.7	1.3	1.0	2.2	1.7	4.5	3.4	9.0	6.7	13.4	10.1	17.9	13.4						
		Pixel Density (pix/ft)	3572	3570	1786	1785	1191	1190	714	714	357	357	179	179	119	119	89	89						
	DS-2CD876BF 2.0MP (1600*1200)	Object Dimension(ft)	0.7	0.5	1.4	1.1	2.1	1.6	3.5	2.6	7.0	5.3	14.1	10.6	21.1	15.8	28.2	21.1						
		Pixel Density (pix/ft)	2274	2275	1137	1137	758	758	455	455	227	227	114	114	76	76	57	57						
	DS-2CD886BF-E 5.0MP (2560*1920)	Object Dimension(ft)	0.6	0.4	1.1	0.9	1.7	1.3	2.8	2.1	5.6	4.2	11.3	8.5	16.9	12.7	22.5	16.9						
		Pixel Density (pix/ft)	4543	4543	2272	2272	1514	1514	909	909	454	454	227	227	151	151	114	114						