

CF8ZA-1S

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]																	
			4/3"		1.2"		1.1"		1"		1/1.2"		2/3"		1/1.8"					
			H	V	H	V	H	V	H	V	H	V	H	V	H	V	H	V		
1000	0.008x	-	2581.9	1793.1	2106.6	1499.9	1885.2	1355.9	1684.7	1221.8	1112.6	822.2	1376.6	1010.8	889.7	661.0				
950	0.009x	-	2454.9	1704.8	2002.9	1426.0	1792.4	1289.1	1601.8	1161.6	1057.8	781.7	1310.7	961.0	845.9	628.5				
900	0.009x	-	2327.8	1616.5	1899.2	1352.2	1699.6	1222.3	1518.8	1101.4	1003.0	741.2	1242.8	911.2	802.0	595.9				
850	0.010x	-	2200.8	1528.2	1795.5	1278.3	1606.8	1155.5	1435.9	1041.2	948.2	700.7	1174.9	861.4	758.2	563.3				
800	0.010x	-	2073.8	1440.0	1691.8	1204.4	1514.0	1088.7	1352.9	981.0	893.4	660.2	1107.0	811.6	714.4	530.7				
750	0.011x	-	1946.8	1351.7	1588.2	1130.6	1421.2	1021.9	1269.9	920.9	838.6	619.7	1039.1	761.8	670.5	498.2				
700	0.012x	-	1819.8	1263.4	1484.5	1056.7	1328.4	955.2	1187.0	860.7	783.7	579.1	971.2	712.0	626.7	465.6				
650	0.013x	-	1692.7	1175.1	1380.8	982.8	1235.6	888.4	1104.0	800.5	728.9	538.6	903.3	662.2	582.9	433.0				
600	0.014x	-	1565.7	1086.8	1277.1	909.0	1142.7	821.6	1021.1	740.3	674.1	498.1	835.4	612.4	539.0	400.5				
550	0.015x	-	1438.7	998.5	1173.4	835.1	1049.9	754.8	938.1	880.1	819.3	457.6	767.5	582.6	495.2	367.9				
500	0.016x	-	1311.7	910.2	1069.7	761.2	957.1	688.0	855.2	819.9	564.5	417.1	699.6	512.8	451.4	335.3				
450	0.018x	-	1184.7	822.0	966.0	687.4	864.3	621.3	772.2	559.8	509.7	376.6	617.1	463.0	407.5	302.7				
400	0.020x	-	1057.6	733.7	862.3	613.5	771.5	554.5	689.2	499.6	454.9	336.1	563.8	413.2	363.7	270.2				
350	0.023x	-	930.6	645.4	758.6	539.6	678.6	467.7	603.3	439.4	400.1	295.6	495.9	363.4	319.8	237.6				
300	0.026x	-	803.6	557.1	654.9	465.7	585.8	420.9	523.3	379.2	345.2	255.0	428.0	313.6	276.0	205.0				
250	0.031x	-	676.5	468.8	551.2	391.8	493.0	354.1	440.3	319.0	290.4	214.5	360.0	283.8	232.2	172.4				
200	0.039x	-	549.4	380.5	447.5	318.0	400.2	287.3	357.3	258.8	235.6	174.0	292.1	214.0	188.3	139.9				
150	0.050x	-	422.4	292.1	343.8	244.1	307.3	220.5	274.4	198.6	180.8	133.5	224.2	164.2	144.5	107.3				
100	0.073x	-	295.2	203.8	240.0	170.1	214.4	153.7	191.3	138.4	125.9	92.9	156.3	114.3	100.6	74.7				

CF12ZA-1S

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]																	
			4/3"		1.2"		1.1"		1"		1/1.2"		2/3"		1/1.8"					
			H	V	H	V	H	V	H	V	H	V	H	V	H	V	H	V		
1000	0.012x	-	1639.0	1179.8	1369.9	995.1	1236.5	902.4	1112.2	815.2	743.6	551.4	917.0	676.5	596.3	443.9				
950	0.013x	-	1558.6	1121.9	1302.7	946.2	1175.8	858.1	1057.6	775.1	707.1	524.3	872.0	643.3	567.0	422.1				
900	0.013x	-	1478.3	1064.0	1235.5	897.4	1115.2	813.8	1003.0	735.1	670.6	497.2	827.0	610.0	537.7	400.3				
850	0.014x	-	1398.0	1006.1	1168.3	848.5	1054.5	769.4	948.4	695.1	634.1	470.2	782.0	576.8	508.4	378.5				
800	0.015x	-	1317.6	948.2	1101.1	799.7	993.8	725.1	893.8	656.0	597.5	443.1	736.9	543.6	479.1	356.7				
750	0.016x	-	1237.3	890.3	1033.9	750.8	933.1	680.8	839.3	615.0	561.0	416.0	691.9	510.4	449.9	334.9				
700	0.017x	-	1157.0	832.4	966.7	702.0	872.5	636.5	784.7	575.0	524.5	388.9	646.9	477.1	420.6	313.0				
650	0.019x	-	1076.6	774.5	899.5	653.1	811.8	592.2	730.1	535.0	488.0	361.8	601.9	443.9	391.3	291.2				
600	0.020x	-	996.3	716.6	832.3	604.3	751.1	547.9	675.5	494.9	451.5	334.7	558.8	410.7	362.0	269.4				
550	0.022x	-	915.9	658.7	765.1	555.4	690.4	503.8	620.9	454.9	414.9	307.6	511.8	377.5	332.7	247.6				
500	0.024x	-	835.6	600.8	697.9	506.6	629.7	459.3	566.3	414.9	378.4	280.6	466.8	344.2	303.4	225.8				
450	0.026x	-	755.2	542.9	630.7	457.7	569.1	415.0	511.7	374.8	341.9	253.5	421.7	311.0	274.1	204.0				
400	0.030x	-	674.8	485.0	563.5	408.8	508.4	370.7	457.1	334.8	305.4	226.4	378.7	277.8	244.8	182.2				
350	0.034x	-	594.5	427.0	496.2	360.0	447.7	326.3	402.5	294.7	268.8	199.3	331.7	244.5	215.5	160.4				
300	0.039x	-	514.1	369.1	429.0	311.1	387.0	282.0	347.9	254.7	232.3	172.2	286.6	211.3	186.2	138.6				
250	0.046x	-	433.7	311.2	361.7	262.2	326.2	237.7	293.2	214.6	195.7	145.1	241.6	178.0	156.9	116.8				
200	0.057x	-	353.2	254.5	294.5	213.3	265.5	193.3	238.6	174.6	159.2	118.6	194.8	144.8	127.6	94.9				
150	0.074x	-	272.7	195.2	227.1	164.4	204.7	148.9	183.9	134.5	122.6	90.8	151.4	111.5	98.2	73.1				
100	0.105x	-	192.0	137.1	159.7	115.3	143.8	104.5	129.1	94.3	86.0	63.7	106.2	78.2	68.9	51.2				

CF16ZA-1S

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]																	
			4/3"		1.2"		1.1"		1"		1/1.2"		2/3"		1/1.8"					
			H	V	H	V	H	V	H	V	H	V	H	V	H	V	H	V		
1000	0.016x	-	1155.8	856.9	983.5	730.2	895.1	665.3	811.0	603.4	552.2	412.4	675.6	503.7	445.3	333.0				
950	0.017x	-	1099.3	815.0	935.4	694.5	851.3	632.7	771.3	573.9	525.1	392.2	642.5	479.0	423.5	316.7				
900	0.018x	-	1042.9	773.0	887.3	658.7	807.5	600.1	731.6	544.3	498.1	372.0	609.4	454.4	401.7	300.4				
850	0.019x	-	986.4	731.1	839.2	622.9	763.7	567.5	691.9	514.8	471.0	351.8	576.4	429.7	379.9	284.1				
800	0.020x	-	929.9	689.2	791.1	587.2	719.9	535.0	652.2	485.2	444.0	331.6	543.3	405.0	359.0	267.8				
750	0.021x	-	873.4	647.2	743.0	551.4	676.1	502.4	612.5	455.7	416.9	311.4	510.2	380.3	336.2	251.4				
700	0.023x	-	816.9	605.3	694.9	517.6	632.3	469.8	572.8	428.1	389.9	291.2	477.1	355.7	314.4	235.1				
650	0.025x	-	760.4	563.3	646.8	479.9	588.5	437.2	533.1	396.5	362.8	271.0	444.0	331.0	292.6	218.8				
600	0.026x	-	703.9	521.4	598.6	444.2	544.7	404.6	493.4	367.0	335.8	250.7	410.9	306.3	270.8	202.5				
550	0.029x	-	647.4	479.4	550.5	408.4	500.9	372.0	455.3	337.0	308.7	230.5	377.8	281.6	248.9	186.1				
500	0.032x	-	590.9	437.5	502.4	372.6	457.0	339.4	414.0	307.8	281.7	210.3	344.7	256.9	227.1	169.8				
450	0.035x	-	534.4	395.5	454.2	336.9	413.2	306.8	374.2	278.3	254.6	190.1	311.6	232.2	205.3	153.5				
400	0.039x	-	477.8	353.5	406.1	301.1	369.4	274.2	334.5	248.7	227.5	169.9	278.5	207.5	183.4	137.2				
350	0.044x	-	421.3	311.6	357.9	265.3	325.5	241.6	294.8	219.1	200.5	149.6	245.4	182.8	161.6	120.8				
300	0.051x	-	364.7	269.6	309.7	229.5	281.7	209.0	255.0	189.5	173.4	129.4	212.3	158.1	139.7	104.5				
250	0.061x	-	308.1	227.5	261.5	193.7	237.8	176.4	215.2	159.9	146.3	109.2	179.1	133.4	117.9	88.1				
200	0.075x	-	251.4	185.4	213.2	157.8	193.8	143.7	175.4	130.2	119.1	88.9	145.9	108.6	96.0	71.8				
150	0.097x	-	194.6	143.3	164.9	121.9	149.8	110.9	135.5	100.6	92.0	68.6	112.7	83.9	74.1	55.4				
100	0.138x	-	137.5	101.0	116.3	85.8	105.6	78.1	95.4	70.7	64.7	48.2	79.3	59.0	50.0	38.9				

CF25ZA-1S

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]																	
			4/3"		1.2"		1.1"		1"		1/1.2"		2/3"		1/1.8"					
			H	V	H	V	H	V	H	V	H	V	H	V	H	V	H	V		
1000	0.024x	-	780.1	577.8	663.1	492.7	603.5	449.0	546.9	407.5	373.0	278.9	456.0	340.4	301.0	225.3				
950	0.025x	-	742.0	554.5	630.7	468.5	574.0	427.0	520.1	385.5	354.7	265.2	433.7	324.7	286.3	214.3				
900	0.026x	-	703.8	521.2	598.2	444.4	544.4	405.0	493.4	367.6	336.5	251.5	411.3	307.0	271.5	203.2				
850	0.028x	-	665.6	492.9	565.7	420.3	514.9	383.1	466.6	347.6	318.2	237.9	389.0	290.4	256.8	192.2				
800	0.030x	-																		