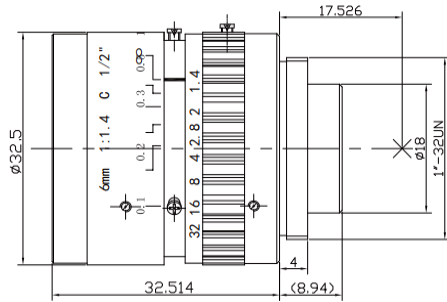


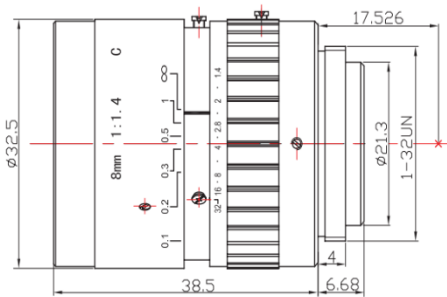
# *Catalogue*

### CHT-2M0614FF



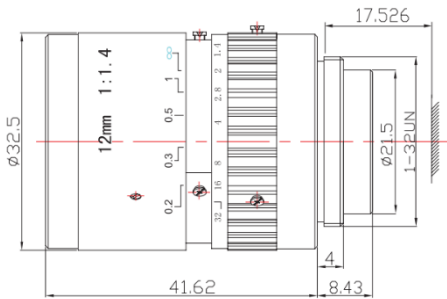
Focal Length	6mm	
F/#	F1.4~F32	
Resolution	5μm	
FOV (H*V)	1/2"	56.1°*43.6°
	1/3"	43.6°*33.4°
TV Distortion	<-0.5%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M30.5*P0.5	

### CHT-2M0814FF



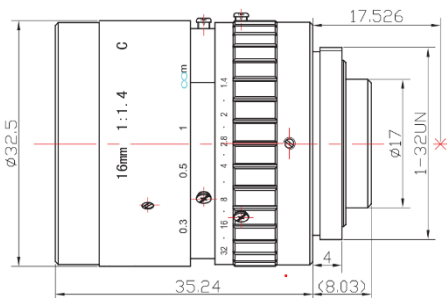
Focal Length	8mm	
F/#	F1.4~F16	
Resolution	5μm	
FOV (H*V)	1/2"	43.6°*33.4°
	1/3"	33.4°*25.4°
TV Distortion	<-0.5%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M30.5*P0.5	

### CHT-2M1214FF



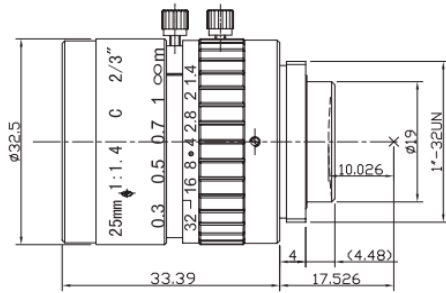
Focal Length	12mm	
F/#	F1.4~F16	
Resolution	5μm	
FOV (H*V)	2/3"	40.3°*30.8°
	1/2"	29.9°*22.6°
	1/3"	22.6°*17.1°
TV Distortion	<-0.5%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M30.5*P0.5	

### CHT-2M1614FF



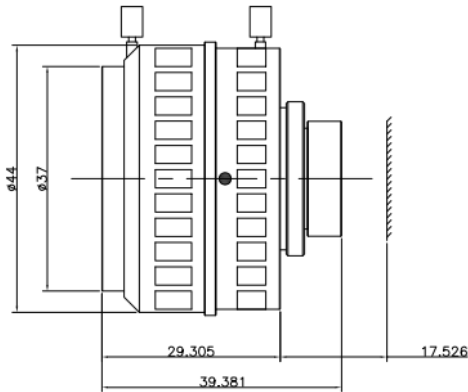
Focal Length	16mm	
F/#	F1.4~F16	
Resolution	5μm	
FOV (H*V)	2/3"	30.8°*23.3°
	1/2"	22.6°*17.1°
	1/3"	17.1°*12.8°
TV Distortion	<-0.5%	
Focus Range	0.2m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M30.5*P0.5	

### CHT-2M2514FF



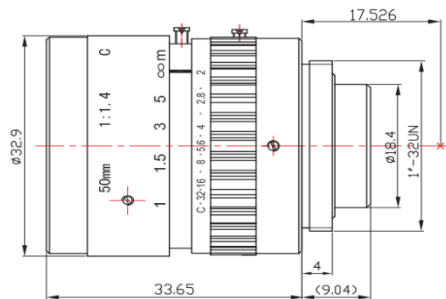
Focal Length		25mm
F/#		F1.4~F32
Resolution		5μm
FOV (H*V)	2/3"	20°*15°
	1/2"	14.6°*11°
	1/3"	11°*8.2°
TV Distortion		<math><-0.5\%</math>
Focus Range		0.3m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M30.5*P0.5

### CHT-2M3517FF



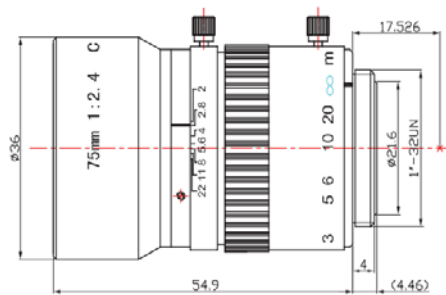
Focal Length		35mm
F/#		F1.4~F32
Resolution		5μm
FOV (H*V)	2/3"	14.3°*10.8°
	1/2"	10.5°*7.9°
	1/3"	7.9°*5.9°
TV Distortion		<math><-0.5\%</math>
Focus Range		0.5m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M30.5*P0.5

### CHT-2M5020FF



Focal Length		50mm
F/#		F2.0~F16
Resolution		5μm
FOV (H*V)	2/3"	10°*7.6°
	1/2"	7.3°*5.5°
	1/3"	5.5°*4.12°
TV Distortion		<math><0.2\%</math>
Focus Range		1m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M30.5*P0.5

### CHT-2M7524FF



Focal Length		75mm
F/#		F2.4~F22
Resolution		5μm
FOV (H*V)	2/3"	6.7°*5°
	1/2"	4.9°*3.7°
	1/3"	3.7°*2.8°
TV Distortion		<math><0.4\%</math>
Focus Range		1m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M30.5*P0.5

**Table for WD, FOV, and Extension Tube Length**

Model Name		CC-2M0614FF				CC-2M0814FF				CC-2M1214FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		
			1/2"				1/2"				2/3"		
			H	V			H	V			H	V	
1000	/	0.006	1073.8	805.4	/	0.008	809.1	606.8	/	0.012	733.3	550.0	
950	/	0.006	1020.7	765.6	/	0.008	769.2	576.9	/	0.013	697.3	523.0	
900	/	0.007	966.8	725.1	/	0.009	729.8	547.3	/	0.01331	661.2	495.9	
850	/	0.007	914.3	685.7	/	0.009	689.7	517.2	/	0.01408	625.0	468.8	
800	/	0.007	861.4	646.0	/	0.010	649.7	487.3	/	0.01495	588.6	441.5	
750	/	0.008	808.1	606.1	/	0.010	610.1	457.6	/	0.01592	552.8	414.6	
700	/	0.008	754.7	566.0	/	0.011	569.9	427.4	/	0.01704	516.4	387.3	
650	/	0.009	701.8	526.3	/	0.012	529.8	397.4	/	0.01832	480.3	360.3	
600	/	0.010	648.4	486.3	/	0.013	490.0	367.5	/	0.01981	444.2	333.2	
550	/	0.011	595.3	446.5	/	0.014	450.1	337.6	/	0.02156	408.2	306.1	
500	/	0.012	541.9	406.4	/	0.016	410.0	307.5	/	0.02365	372.1	279.1	
450	/	0.013	488.9	366.7	/	0.017	370.2	277.6	/	0.0262	335.9	251.9	
400	/	0.015	435.7	326.8	/	0.019	330.2	247.7	/	0.02935	299.8	224.9	
350	/	0.017	382.8	287.1	/	0.022	290.2	217.7	/	0.03338	263.6	197.7	
300	/	0.019	329.6	247.2	/	0.026	250.4	187.8	/	0.03867	227.6	170.7	
250	/	0.023	276.5	207.3	/	0.030	210.4	157.8	/	0.04597	191.4	143.6	
200	/	0.029	223.3	167.5	/	0.038	170.5	127.9	/	0.05667	155.3	116.5	
150	/	0.038	170.1	127.6	/	0.049	130.5	97.9	/	0.07385	119.2	89.4	
100	/	0.055	117.0	87.8	/	0.071	90.6	67.9	/	0.10597	83.0	62.3	

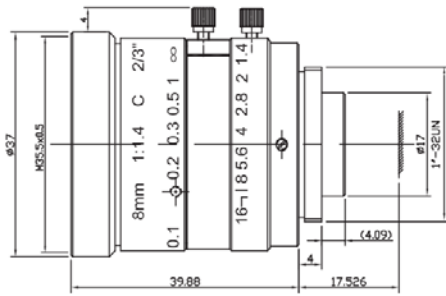
  

Model Name		CC-2M1614FF				CC-2M2514FF				CC-2M3514FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		
			2/3"				2/3"				2/3"		
			H	V			H	V			H	V	
1000	/	0.017	518.9	389.2	/	0.026	340.7	255.5	/	0.035	253.3	190.0	
950	/	0.018	493.0	369.7	/	0.027	323.6	242.7	/	0.037	240.6	180.5	
900	/	0.019	467.1	350.3	/	0.029	306.6	230.0	/	0.039	228.0	171.0	
850	/	0.020	441.3	331.0	/	0.030	289.6	217.2	/	0.041	215.4	161.6	
800	/	0.021	415.5	311.6	/	0.032	272.5	204.4	/	0.043	202.8	152.1	
750	/	0.023	389.7	292.3	/	0.034	255.4	191.6	/	0.046	190.2	142.6	
700	/	0.024	363.9	273.0	/	0.037	238.4	178.8	/	0.050	177.6	133.2	
650	/	0.026	338.1	253.6	/	0.040	221.4	166.0	/	0.053	164.9	123.7	
600	/	0.028	312.3	234.2	/	0.043	204.3	153.2	/	0.058	152.3	114.2	
550	/	0.031	286.5	214.8	/	0.047	187.3	140.5	/	0.063	139.7	104.8	
500	/	0.034	260.7	195.5	/	0.052	170.2	127.7	/	0.069	127.1	95.3	
450	/	0.037	234.9	176.1	/	0.057	153.2	114.9	0.3	0.077	114.4	85.8	
400	/	0.042	209.0	156.8	/	0.064	136.6	102.4	0.6	0.086	101.8	76.4	
350	/	0.048	183.2	137.4	/	0.074	119.0	89.3	0.4	0.099	89.2	66.9	
300	/	0.056	157.4	118.0	/	0.086	102.0	76.5	1.6	0.115	76.6	57.4	
250	/	0.067	131.6	98.7	0.4	0.104	84.9	63.7	0.8	0.138	64.0	48.0	
200	/	0.163	105.7	79.3	1.1	0.130	67.9	50.9	3.6	0.171	51.3	38.5	
150	0.5	0.110	79.9	59.9	2.2	0.173	50.8	38.1	1.9	0.227	38.7	29.0	
100	1.4	0.163	54.1	40.6	4.5	0.261	33.8	25.3	9.3	0.337	26.1	19.6	

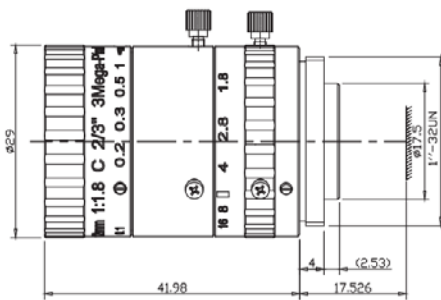
Model Name		CC-2M5020FF				CC-2M7524FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		
			2/3"				2/3"		
			H	V			H	V	
1000	/	0.050	176.1	132.1	/	0.076	115.7	86.8	
950	5.0	0.053	167.1	125.3	0.3	0.080	109.7	82.3	
900	5.2	0.056	158.1	118.6	0.6	0.085	103.8	77.8	
850	5.3	0.059	149.1	111.8	1.0	0.090	97.8	73.4	
800	5.5	0.063	140.1	105.1	1.5	0.096	91.9	68.9	
750	5.7	0.067	131.1	98.4	1.9	0.102	85.9	64.4	
700	6.0	0.072	122.2	91.6	2.5	0.110	80.0	60.0	
650	6.3	0.078	113.2	84.9	3.2	0.119	74.0	55.5	
600	6.6	0.084	104.2	78.1	3.9	0.129	68.1	51.1	
550	7.0	0.092	95.2	71.4	4.8	0.142	62.1	46.6	
500	7.4	0.102	86.2	64.6	6.0	0.157	56.2	42.1	
450	8.0	0.114	77.2	57.9	7.3	0.175	50.2	37.7	
400	8.8	0.129	68.2	51.2	9.1	0.199	44.3	33.2	
350	9.7	0.149	59.2	44.4	11.4	0.230	38.3	28.8	
300	11.0	0.175	50.2	37.7	14.5	0.272	32.4	24.3	
250	12.9	0.213	41.2	30.9	19.0	0.333	26.4	19.8	
200	15.8	0.273	32.2	24.2	26.1	0.429	20.5	15.4	
150	21.0	0.379	23.2	17.4	39.1	0.605	14.6	10.9	
100	32.7	0.618	14.2	10.7	70.0	1.023	8.6	6.5	

### CHT-3M0814FF



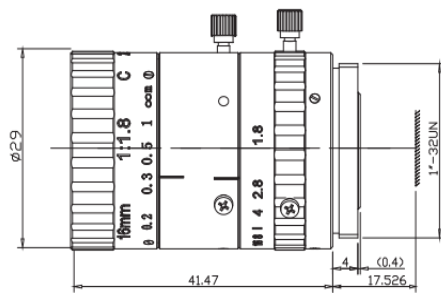
Focal Length	8mm	
F/#	F1.4~F16	
Resolution	4.16μm	
FOV (H*V)	2/3"	57.6°*44.8°
	1/2"	43.6°*33.4°
	1/3"	33.4°*25.4°
TV Distortion	<0.25%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M37*P0.5	

### CHT-3M1218FF



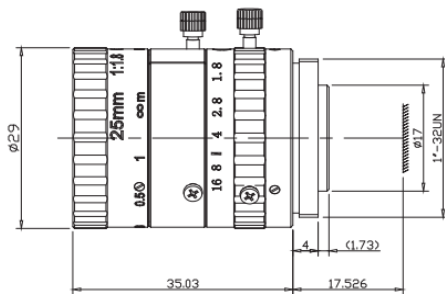
Focal Length	12mm	
F/#	F1.8~F16	
Resolution	4.16μm	
FOV (H*V)	2/3"	38.5°*29.4°
	1/2"	30.3°*21.6°
	1/3"	21.6°*16.4°
TV Distortion	<-0.15%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M27*P0.5	

### CHT-3M1618FF



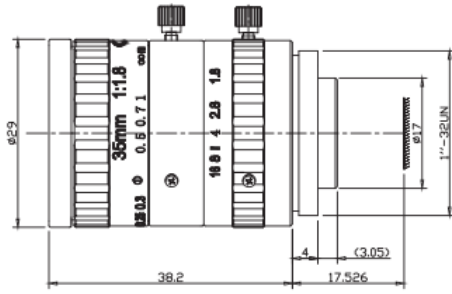
Focal Length	16mm	
F/#	F1.8~F16	
Resolution	4.16μm	
FOV (H*V)	2/3"	29.1°*22.2°
	1/2"	21.5°*16.3°
	1/3"	16.3°*12.4°
TV Distortion	<-0.15%	
Focus Range	0.15m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M27*P0.5	

### CHT-3M2518FF



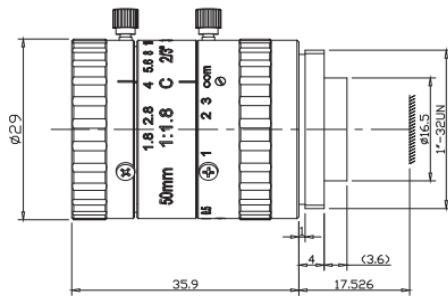
Focal Length	25mm	
F/#	F1.8~F16	
Resolution	4.16μm	
FOV (H*V)	2/3"	18.7°*14°
	1/2"	13.6°*10.3°
	1/3"	10.3°*7.7°
TV Distortion	<-0.05%	
Focus Range	0.15m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M27*P0.5	

### CHT-3M3518FF



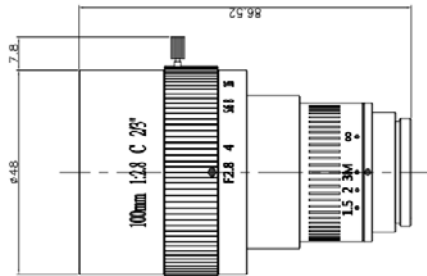
Focal Length		35mm
F/#		F1.8~F16
Resolution		4.16μm
FOV (H*V)	2/3"	12.8°*9.6°
	1/2"	9.3°*7°
	1/3"	7°*5.4°
TV Distortion		<math><-0.1\%</math>
Focus Range		0.2m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M27*P0.5

### CHT-3M5018FF



Focal Length		50mm
F/#		F1.8~F16
Resolution		4.16μm
FOV (H*V)	2/3"	9.1°*6.9°
	1/2"	6.6°*5°
	1/3"	5°*3.7°
TV Distortion		<math><-0.05\%</math>
Focus Range		0.2m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M27*P0.5

### CHT-3M10028FF



Focal Length		100mm
F/#		F2.8~F16
Resolution		3μm
FOV (H*V)	2/3"	5.2°*3.9°
	1/2"	3.7°*2.8°
	1/3"	2.5°*1.9°
TV Distortion		<math><-0.05\%</math>
Focus Range		1.5m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M46*P0.5

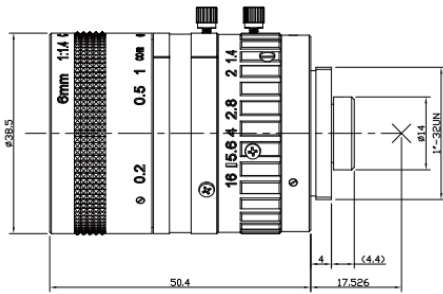
## Table for WD, FOV, and Extension Tube Length

Model Name	CC-3M0814FF				CC-3M1218FF				CC-3M1618FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)	
			2/3°				2/3°				2/3°	
			H	V			H	V			H	V
1000	/	0.009	1032.9	774.6	/	0.012	717.2	537.9	/	0.016	541.2	405.9
950	/	0.009	982.1	736.6	/	0.013	681.6	511.2	/	0.017	514.3	385.7
900	/	0.009	931.2	698.4	/	0.014	646.1	484.6	/	0.018	487.3	365.4
850	/	0.010	880.9	660.7	/	0.014	610.7	458.0	/	0.019	460.5	345.4
800	/	0.011	830.2	622.6	/	0.015	575.2	431.4	/	0.020	433.7	325.3
750	/	0.011	779.5	584.6	/	0.016	539.5	404.7	/	0.022	406.7	305.0
700	/	0.012	729.1	546.8	/	0.017	504.0	378.0	/	0.023	380.0	285.0
650	/	0.013	678.5	508.9	/	0.019	468.6	351.4	/	0.025	353.0	264.7
600	/	0.014	627.7	470.8	/	0.020	432.9	324.6	/	0.027	326.2	244.6
550	/	0.015	577.0	432.8	/	0.022	397.5	298.1	/	0.029	299.3	224.5
500	/	0.017	526.6	395.0	/	0.024	361.8	271.4	/	0.032	272.4	204.3
450	/	0.018	476.2	357.1	/	0.027	326.3	244.7	/	0.036	245.5	184.2
400	/	0.021	425.5	319.1	/	0.030	290.8	218.1	/	0.040	218.7	164.0
350	/	0.023	374.9	281.2	/	0.034	255.2	191.4	/	0.046	191.8	143.9
300	/	0.027	324.4	243.3	/	0.040	219.7	164.8	/	0.053	165.0	123.7
250	/	0.032	273.7	205.3	/	0.048	184.1	138.1	/	0.064	138.1	103.6
200	/	0.039	223.2	167.4	/	0.059	148.6	111.4	/	0.079	111.3	83.4
150	/	0.051	172.6	129.5	/	0.078	113.1	84.8	/	0.104	84.4	63.3
100	/	0.072	122.0	91.5	/	0.114	77.5	58.1	/	0.153	57.5	43.1

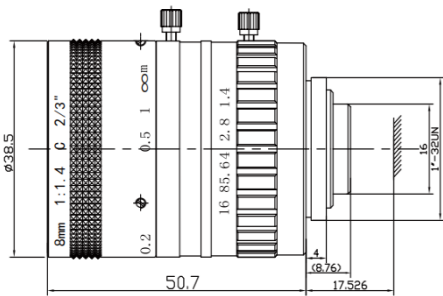
Model Name	CC-3M2518FF				CC-3M3518FF				CC-3M5018FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)	
			2/3°				2/3°				2/3°	
			H	V			H	V			H	V
1000	/	0.026	341.1	255.8	/	0.036	243.0	182.3	/	0.051	173.2	129.9
950	/	0.027	323.9	242.9	/	0.038	230.8	173.1	/	0.054	164.4	123.3
900	/	0.029	306.8	230.1	/	0.040	218.5	163.9	/	0.057	155.5	116.6
850	/	0.030	289.7	217.2	/	0.043	206.2	154.6	/	0.060	146.7	110.0
800	/	0.032	272.5	204.4	/	0.045	193.9	145.4	/	0.064	137.9	103.4
750	/	0.034	255.4	191.6	/	0.048	181.6	136.2	/	0.068	129.1	96.8
700	/	0.037	238.3	178.7	/	0.052	169.3	127.0	/	0.073	120.3	90.2
650	/	0.040	221.2	165.9	/	0.056	157.1	117.8	/	0.079	111.4	83.6
600	/	0.043	204.1	153.1	/	0.061	144.8	108.6	/	0.086	102.6	77.0
550	/	0.047	187.0	140.2	/	0.066	132.5	99.4	/	0.094	93.8	70.3
500	/	0.052	169.8	127.4	/	0.073	120.2	90.2	/	0.104	85.0	63.7
450	/	0.058	152.7	114.5	/	0.082	107.9	80.9	/	0.116	76.2	57.1
400	/	0.065	135.6	101.7	/	0.092	95.6	71.7	/	0.131	67.3	50.5
350	/	0.074	118.5	88.9	/	0.106	83.3	62.5	1	0.150	58.5	43.9
300	/	0.087	101.3	76.0	/	0.124	71.2	53.4	2	0.177	49.7	37.3
250	/	0.104	84.2	63.2	/	0.150	58.8	44.1	4	0.215	40.9	30.7
200	/	0.131	67.1	50.3	1.5	0.189	46.5	34.9	7	0.275	32.0	24.0
150	/	0.176	50.0	37.5	4	0.257	34.2	25.6	12	0.379	23.2	17.4
100	2.5	0.268	32.9	24.7	9	0.402	21.9	16.4	23.5	0.611	14.4	10.8

### CHT-5M0614FF



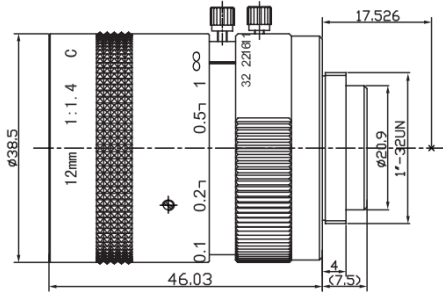
Focal Length	6mm	
F/#	F1.4~F16	
Resolution	3.33μm	
FOV (H*V)	1/2"	56.1°*43.6°
	1/3"	43.6°*33.4°
TV Distortion	<-0.5%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M35.5*P0.5	

### CHT-5M0814FF



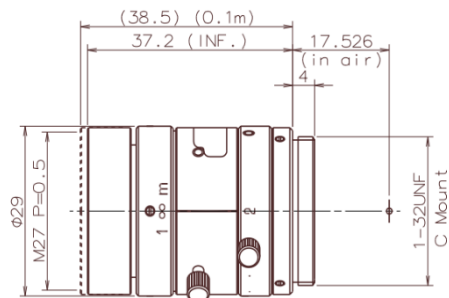
Focal Length	8mm	
F/#	F1.4~F32	
Resolution	3.33μm	
FOV (H*V)	2/3"	57.6°*44.8°
	1/2"	43.6°*33.4°
	1/3"	33.4°*25.4°
TV Distortion	<-0.5%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M35.5*P0.5	

### CHT-5M1214FF



Focal Length	12mm	
F/#	F1.4~F32	
Resolution	3.33μm	
FOV (H*V)	2/3"	40.3°*30.8°
	1/2"	29.9°*22.6°
	1/3"	22.6°*17.1°
TV Distortion	<0.1%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M35.5*P0.5	

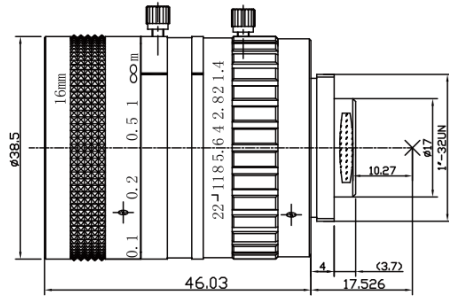
### CHT-5M1220FF



Focal Length	12mm	
F/#	F2~F16	
Resolution	4.8μm	
FOV (H*V)	1/1.2"	49.2°*37.6°
	2/3"	53.2°*30.6°
TV Distortion	<-0.97%	
Focus Range	0.1m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M27*P0.5	

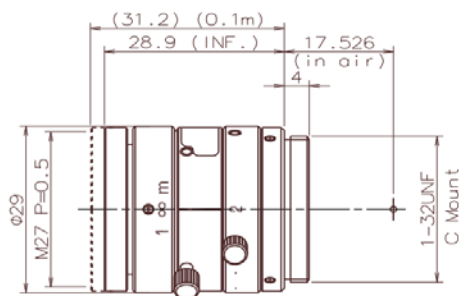


### CHT-5M1614FF



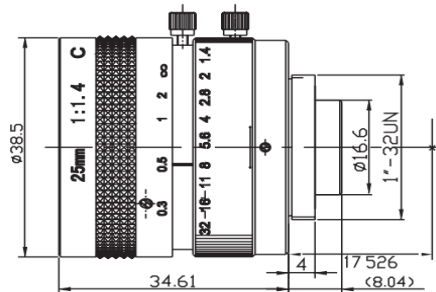
Focal Length	16mm	
F/#	F1.4~F32	
Resolution	3.33 $\mu$ m	
FOV (H*V)	2/3"	30.8°*23.3°
	1/2"	22.6°*17.1°
	1/3"	17.1°*12.8°
TV Distortion	<-0.1%	
Focus Range	0.1m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M35.5*P0.5	

### CHT-5M1620FF



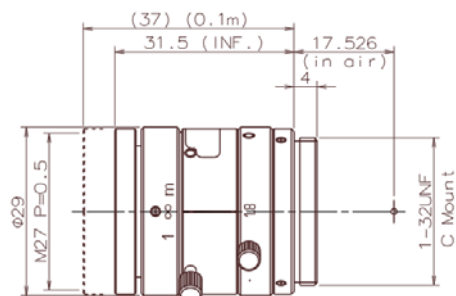
Focal Length	16mm	
F/#	F2~F16	
Resolution	4.8 $\mu$ m	
FOV (H*V)	1/1.2"	37.4°*28.4°
	2/3"	31°*23.4°
TV Distortion	<-0.56%	
Focus Range	0.1m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M27*P0.5	

### CHT-5M2514FF



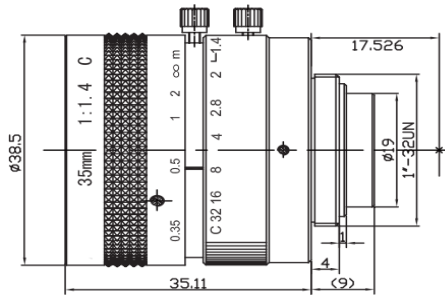
Focal Length	25mm	
F/#	F1.4~F32	
Resolution	3.33 $\mu$ m	
FOV (H*V)	2/3"	20°*15°
	1/2"	14.6°*11°
	1/3"	11°*8.2°
TV Distortion	<-0.05%	
Focus Range	0.15m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M35.5*P0.5	

### CHT-5M2518FF



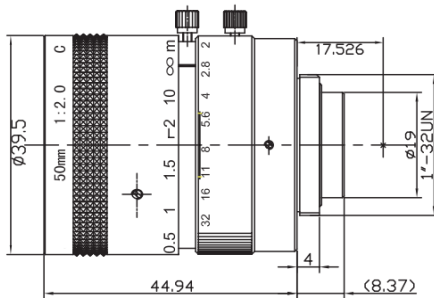
Focal Length	12mm	
F/#	F1.8~F16	
Resolution	4.8 $\mu$ m	
FOV (H*V)	1/1.2"	24.1°*18.2°
	2/3"	19.9°*15°
TV Distortion	<-0.09%	
Focus Range	0.1m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M27*P0.5	

### CHT-5M3514FF



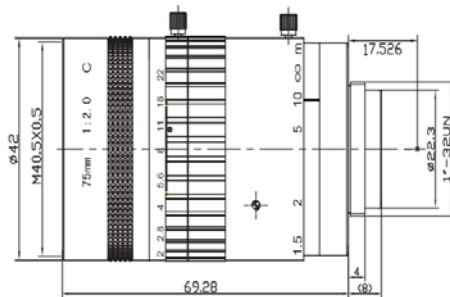
Focal Length		35mm
F/#		F1.4~F32
Resolution		3.33μm
FOV (H*V)	2/3"	14.3°*10.8°
	1/2"	10.5°*7.9°
	1/3"	7.9°*5.9°
TV Distortion		<-0.05%
Focus Range		0.35m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M35.5*P0.5

### CHT-5M5020FF



Focal Length		50mm
F/#		F2~F32
Resolution		3.33μm
FOV (H*V)	2/3"	10°*7.6°
	1/2"	7.3°*5.5°
	1/3"	5.5°*4.1°
TV Distortion		<-0.05%
Focus Range		0.1m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M35.5*P0.5

### CHT-5M7520FF



Focal Length		75mm
F/#		F2~F22
Resolution		3.33μm
FOV (H*V)	2/3"	6.7°*5°
	1/2"	4.9°*3.7°
	1/3"	3.7°*2.8°
TV Distortion		<-0.05%
Focus Range		1m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M40.5*P0.5

## Table for WD, FOV, and Extension Tube Length

Model Name	CC-5M0614FF				CC-5M0814FF				CC-5M1214FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)	
			1/2"				2/3"				2/3"	
			H	V			H	V			H	V
1000	/	0.006	1019.1	764.3	/	0.009	996.6	747.5	/	0.012	713.1	534.8
950	/	0.007	969.7	727.3	/	0.009	1004.6	753.4	/	0.013	677.4	508.1
900	/	0.007	918.2	688.7	/	0.009	952.4	714.3	/	0.014	642.3	481.8
850	/	0.007	868.4	651.3	/	0.010	900.7	675.5	/	0.010	900.7	675.5
800	/	0.008	818.4	613.8	/	0.010	847.8	635.8	/	0.015	606.9	455.2
750	/	0.008	768.3	576.2	/	0.011	795.7	596.7	/	0.016	536.6	402.4
700	/	0.009	717.5	538.1	/	0.012	743.9	557.9	/	0.018	501.1	375.9
650	/	0.010	666.7	500.0	/	0.013	691.8	518.9	/	0.019	465.9	349.4
600	/	0.010	616.6	462.4	/	0.014	639.5	479.7	/	0.020	430.7	323.1
550	/	0.011	566.4	424.8	/	0.015	587.4	440.6	/	0.022	395.3	296.5
500	/	0.012	515.7	386.8	/	0.016	535.6	401.7	/	0.024	360.1	270.0
450	/	0.014	465.5	349.1	/	0.018	483.3	362.4	/	0.027	324.8	243.6
400	/	0.015	415.0	311.3	/	0.020	431.4	323.5	/	0.030	289.6	217.2
350	/	0.018	364.9	273.7	/	0.023	379.3	284.5	/	0.035	254.3	190.7
300	/	0.020	314.3	235.8	/	0.027	327.1	245.4	/	0.040	219.0	164.3
250	/	0.024	264.0	198.0	/	0.032	275.1	206.3	/	0.048	183.7	137.8
200	/	0.030	213.6	160.2	/	0.039	223.0	167.3	/	0.059	148.4	111.3
150	/	0.039	163.3	122.4	/	0.051	170.9	128.2	/	0.078	113.2	84.9
100	/	0.057	112.9	84.6	/	0.074	118.9	89.2	/	0.113	77.9	58.4

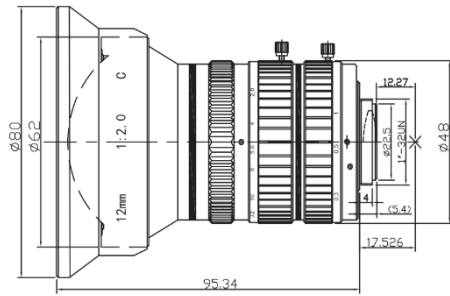
Model Name	CC-5M1614FF				CC-5M2514FF				CC-5M3514FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)	
			2/3"				2/3"				2/3"	
			H	V			H	V			H	V
1000	/	0.016	544.9	408.7	/	0.026	339.1	254.3	/	0.035	251.8	188.8
950	/	0.017	518.0	388.5	/	0.027	322.0	241.5	/	0.037	239.1	179.3
900	/	0.018	490.8	368.1	/	0.029	304.8	228.6	/	0.039	226.5	169.8
850	/	0.019	463.9	347.9	/	0.031	287.8	215.8	/	0.041	213.8	160.3
800	/	0.020	436.7	327.5	/	0.033	270.6	203.0	/	0.044	201.1	150.8
750	/	0.021	409.7	307.3	/	0.035	253.5	190.1	/	0.047	188.4	141.3
700	/	0.023	382.6	287.0	/	0.037	236.4	177.3	/	0.050	175.8	131.8
650	/	0.025	355.6	266.7	/	0.040	219.3	164.5	/	0.054	163.1	122.3
600	/	0.027	328.5	246.4	/	0.044	202.2	151.6	/	0.059	150.4	112.8
550	/	0.029	301.4	226.0	/	0.048	185.1	138.8	/	0.064	137.7	103.3
500	/	0.032	274.3	205.7	/	0.052	167.9	126.0	/	0.070	125.0	93.8
450	/	0.036	247.3	185.4	/	0.058	150.8	113.1	/	0.078	112.3	84.3
400	/	0.040	220.2	165.2	/	0.066	133.7	100.3	/	0.088	99.7	74.8
350	/	0.046	193.2	144.9	/	0.075	116.6	87.5	/	0.101	87.0	65.2
300	/	0.053	166.1	124.6	/	0.088	99.5	74.6	0.6	0.118	74.3	55.7
250	/	0.063	139.0	104.2	/	0.107	82.4	61.8	1.4	0.143	61.6	46.2
200	/	0.079	111.9	84.0	/	0.135	65.3	48.9	2.7	0.180	48.9	36.7
150	/	0.104	84.9	63.7	1.2	0.183	48.1	36.1	4.9	0.243	36.3	27.2
100	/	0.152	57.8	43.4	3.8	0.284	31.0	23.3	9.4	0.373	23.6	17.7

Model Name	CC-5M5020FF				CC-5M7520FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)	
			2/3"				2/3"	
			H	V			H	V
1000	/	0.050	177.0	132.7	/	0.074	119.3	89.5
950	/	0.052	168.1	126.1	0.3	0.078	113.4	85.1
900	/	0.055	159.2	119.4	0.6	0.082	107.5	80.7
850	/	0.059	150.2	112.7	1.0	0.087	101.6	76.2
800	/	0.062	141.3	106.0	1.4	0.092	95.7	71.8
750	/	0.066	132.4	99.3	1.8	0.098	89.8	67.4
700	/	0.071	123.5	92.6	2.3	0.105	83.9	62.9
650	/	0.077	114.5	85.9	2.9	0.113	78.0	58.5
600	/	0.083	105.6	79.2	3.6	0.122	72.1	54.1
550	/	0.091	96.7	72.5	4.4	0.133	66.2	49.7
500	/	0.100	87.7	65.8	5.4	0.146	60.3	45.2
450	/	0.112	78.8	59.1	6.6	0.162	54.4	40.8
400	/	0.126	69.9	52.4	8.0	0.182	48.5	36.4
350	0.9	0.144	61.0	45.7	9.9	0.207	42.6	31.9
300	2.1	0.169	52.0	39.0	12.4	0.240	36.7	27.5
250	3.9	0.204	43.1	32.3	15.8	0.286	30.8	23.1
200	6.5	0.257	34.2	25.6	20.9	0.354	24.9	18.6
150	11.0	0.348	25.3	18.9	29.1	0.464	19.0	14.2
100	20.3	0.539	16.3	12.3	44.7	0.674	13.1	9.8

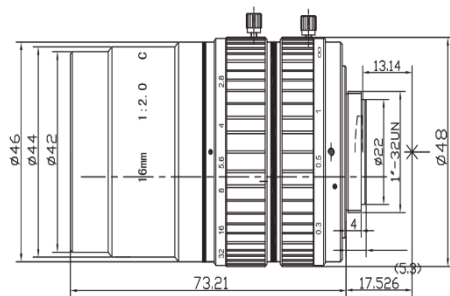


### CHT-5M1218LFF



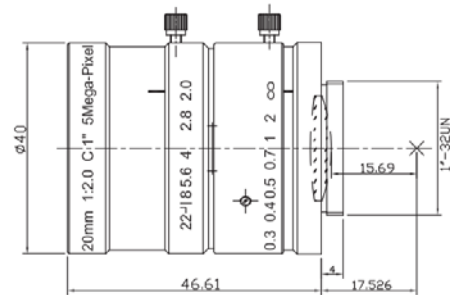
Focal Length	12mm	
F/#	F2~F32	
Resolution	6.66 $\mu$ m	
FOV (H*V)	1"	55.8°*43.6°
	2/3"	40.3°*30.8°
	1/2"	29.9°*22.6°
	1/3"	22.6°*17.1°
TV Distortion	<-0.5%	
Focus Range	0.2m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M77*P0.75	

### CHT-5M1620LFF



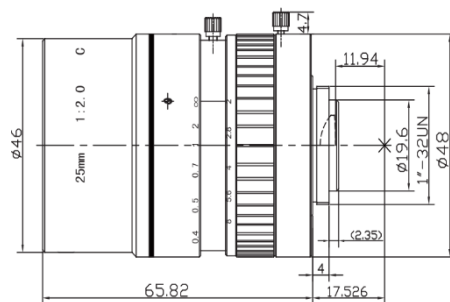
Focal Length	16mm	
F/#	F2~F32	
Resolution	6.66 $\mu$ m	
FOV (H*V)	1"	43.3°*33.4°
	2/3"	30.8°*23.3°
	1/2"	22.6°*17.1°
	1/3"	17.1°*12.8°
TV Distortion	<0.25%	
Focus Range	0.2m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M37*P0.75	

### CHT-5M2020LFF



Focal Length	20mm	
F/#	F2~F22	
Resolution	6.66 $\mu$ m	
FOV (H*V)	1"	35.2°*27°
	2/3"	24.8°*18.7°
	1/2"	18.2°*13.7°
	1/3"	13.7°*10.3°
TV Distortion	<0.35%	
Focus Range	0.3m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M37.5*P0.5	

### CHT-5M2520LFF



Focal Length	25mm	
F/#	F2~F22	
Resolution	6.66 $\mu$ m	
FOV (H*V)	1"	28.5°*21.7°
	2/3"	20°*15°
	1/2"	14.6°*11°
	1/3"	11°*8.2°
TV Distortion	<-0.06%	
Focus Range	0.3m~ $\infty$	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M43*P0.75	

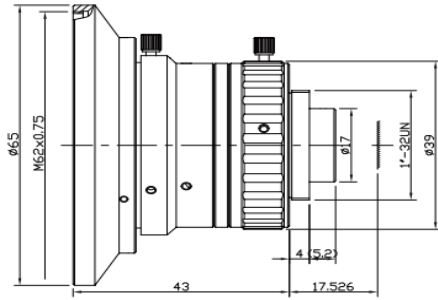
## Table for WD, FOV, and Extension Tube Length

Model Name	CC-5M1218LFF				CC-5M1620LFF				CC-5M2020LFF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)	
			1"				1"				1"	
			H	V			H	V			H	V
1200	/	0.010	1229.4	929.3	/	0.014	933.8	705.9	/	0.017	758.2	573.1
1150	/	0.011	1180.3	892.2	/	0.014	895.6	677.0	/	0.017	727.4	549.8
1100	/	0.011	1130.9	854.9	/	0.015	857.0	647.8	/	0.018	696.3	526.3
1050	/	0.012	1080.9	817.0	/	0.016	818.3	618.6	/	0.019	664.9	502.6
1000	/	0.012	1031.7	779.9	/	0.016	780.1	589.7	/	0.020	634.0	479.3
950	/	0.013	981.5	741.9	/	0.017	741.4	560.4	/	0.021	603.0	455.8
900	/	0.014	931.8	704.3	/	0.018	702.8	531.3	/	0.022	571.8	432.2
850	/	0.014	882.6	667.1	/	0.019	664.6	502.4	/	0.023	540.7	408.7
800	/	0.015	832.8	629.5	/	0.020	625.9	473.1	/	0.025	509.6	385.2
750	/	0.016	783.5	592.2	/	0.022	587.4	444.0	/	0.027	478.5	361.7
700	/	0.017	733.7	554.6	/	0.023	549.1	415.0	/	0.028	447.5	338.3
650	/	0.019	683.9	517.0	/	0.025	510.7	386.0	/	0.031	416.4	314.8
600	/	0.020	634.4	479.5	/	0.027	472.1	356.9	/	0.033	385.4	291.4
550	/	0.022	584.7	442.0	/	0.029	433.6	327.8	/	0.036	354.4	267.9
500	/	0.024	535.2	404.6	/	0.032	395.1	298.7	/	0.039	323.2	244.3
450	/	0.026	485.7	367.1	/	0.036	356.6	269.6	/	0.043	292.2	220.8
400	/	0.029	436.0	329.6	/	0.040	318.1	240.5	/	0.049	261.1	197.4
350	/	0.033	386.4	292.1	/	0.045	279.7	211.4	/	0.055	230.0	173.9
300	/	0.038	336.8	254.6	/	0.053	241.2	182.3	/	0.064	198.9	150.4

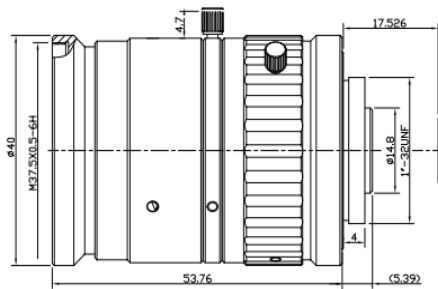
Model Name	CC-5M2520LFF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)	
			1"	
			H	V
1200	/	0.021	596.0	450.5
1150	/	0.022	571.3	431.8
1100	/	0.023	546.5	413.1
1050	/	0.024	521.8	394.4
1000	/	0.026	497.1	375.7
950	/	0.027	472.3	357.0
900	/	0.028	447.7	338.4
850	/	0.030	422.9	319.7
800	/	0.032	398.2	301.0
750	/	0.034	373.4	282.3
700	/	0.036	348.7	263.6
650	/	0.039	324.1	245.0
600	/	0.042	299.3	226.3
550	/	0.046	274.6	207.6
500	/	0.051	249.9	188.9
450	/	0.056	225.2	170.2
400	/	0.063	200.4	151.5
350	/	0.072	175.7	132.8
300	/	0.084	151.0	114.1

### CHT-10M0518FF



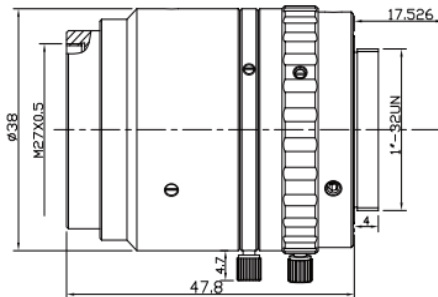
Focal Length		5mm
F/#		F1.8~F11
Resolution		2.5μm
FOV (H*V)	2/3"	82.7°*66.9°
	1/2"	65.2°*51.3°
	1/3"	51.3°*40°
TV Distortion		<-2.5%
Focus Range		0.1m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M62*P0.75

### CHT-10M0818FF



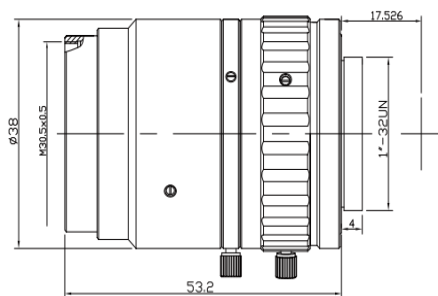
Focal Length		8mm
F/#		F1.8~F16
Resolution		2.5μm
FOV (H*V)	2/3"	57.6°*44.8°
	1/2"	43.6°*33.4°
	1/3"	33.4°*25.4°
TV Distortion		<-0.5%
Focus Range		0.1m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M37.5*P0.5

### CHT-10M1218FF



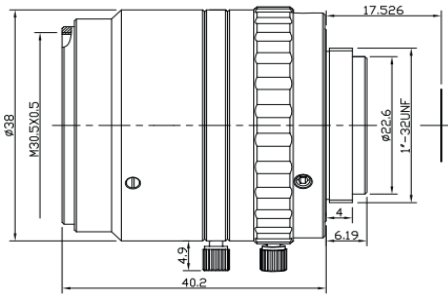
Focal Length		12mm
F/#		F1.8~F32
Resolution		2.5μm
FOV (H*V)	2/3"	40.3°*30.8°
	1/2"	29.9°*22.6°
	1/3"	22.6°*17.1°
TV Distortion		<-0.2%
Focus Range		0.1m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M27*P0.5

### CHT-10M1618FF



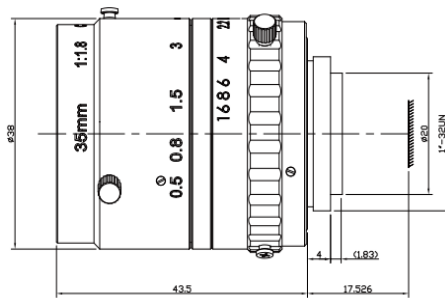
Focal Length		16mm
F/#		F1.8~F22
Resolution		2.5μm
FOV (H*V)	2/3"	30.8°*23.3°
	1/2"	22.6°*17.1°
	1/3"	17.1°*12.8°
TV Distortion		<-0.1%
Focus Range		0.2m~∞
Operation	Focus	Manual
	Iris	Manual
Filter Size		M30.5*P0.5

## CHT-10M2518FF



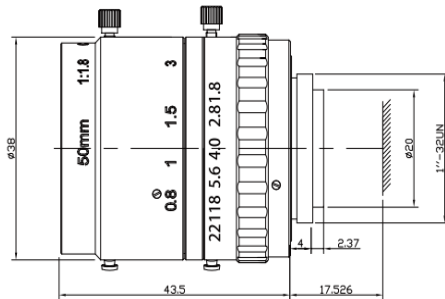
Focal Length	25mm	
F/#	F1.8~F32	
Resolution	2.5μm	
FOV (H*V)	2/3"	20°*15°
	1/2"	14.6°*11°
	1/3"	11°*8.2°
TV Distortion	<-0.045%	
Focus Range	0.2m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M30.5*P0.5	

## CHT-10M3518FF



Focal Length	35mm	
F/#	F1.8~F16	
Resolution	2.5μm	
FOV (H*V)	2/3"	14.4°*10.8°
	1/2"	10.4°*7.9°
	1/3"	7.9°*5.9°
TV Distortion	<-0.05%	
Focus Range	0.3m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M34*P0.5	

## CHT-10M5018FF



Focal Length	50mm	
F/#	F1.8~F22	
Resolution	2.5μm	
FOV (H*V)	2/3"	9.2°*6.9°
	1/2"	6.9°*5°
	1/3"	5°*3.7°
TV Distortion	<-0.1%	
Focus Range	0.5m~∞	
Operation	Focus	Manual
	Iris	Manual
Filter Size	M34*P0.5	



## Table for WD, FOV, and Extension Tube Length

Model Name		CC-10M0518FF				CC-10M0818FF				CC-10M1218FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		
			2/3"				2/3"				2/3"		
			H	V			H	V			H	V	
1000	/	0.005	1749.5	1312.1	/	0.008	1051.4	788.5	/	0.012	735.2	551.4	
950	/	0.005	1663.5	1247.6	/	0.009	1000.0	750.0	/	0.013	699.0	524.2	
900	/	0.006	1577.1	1182.8	/	0.009	948.3	711.2	/	0.013	662.7	497.0	
850	/	0.006	1491.5	1118.6	/	0.010	896.1	672.1	/	0.014	626.3	469.8	
800	/	0.006	1405.8	1054.3	/	0.010	844.5	633.4	/	0.015	590.2	442.7	
750	/	0.007	1315.4	986.5	/	0.011	792.8	594.6	/	0.016	554.2	415.6	
700	/	0.007	1234.2	925.7	/	0.012	745.1	558.8	/	0.017	518.0	388.5	
650	/	0.008	1147.3	860.5	/	0.013	689.1	516.8	/	0.018	481.9	361.4	
600	/	0.008	1061.5	796.1	/	0.014	637.2	477.9	/	0.020	445.6	334.2	
550	/	0.009	974.5	730.9	/	0.015	585.5	439.1	/	0.021	409.5	307.1	
500	/	0.010	888.9	666.7	/	0.016	533.7	400.2	/	0.024	373.4	280.0	
450	/	0.011	802.2	601.6	/	0.018	481.9	361.4	/	0.026	337.2	252.9	
400	/	0.012	716.0	537.0	/	0.020	430.1	322.6	/	0.029	301.0	225.7	
350	/	0.014	629.9	472.4	/	0.023	378.3	283.7	/	0.033	264.8	198.6	
300	/	0.016	543.5	407.7	/	0.027	326.7	245.0	/	0.038	228.7	171.5	
250	/	0.019	457.4	343.0	/	0.032	274.8	206.1	/	0.046	192.5	144.4	
200	/	0.024	371.2	278.4	/	0.039	223.0	167.3	/	0.056	156.3	117.2	
150	/	0.031	285.0	213.7	/	0.051	171.2	128.4	/	0.073	120.2	90.1	
100	/	0.044	198.7	149.1	/	0.074	119.4	89.6	/	0.105	84.0	63.0	

Model Name		CC-10M1618FF				CC-10M2518FF				CC-10M3518FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		Extension Tube (mm)	Magnification	FOV (mm)		
			2/3"				2/3"				2/3"		
			H	V			H	V			H	V	
1000	/	0.016	558.7	419.0	/	0.024	360.7	270.5	/	0.035	250.9	188.1	
950	/	0.017	531.1	398.3	/	0.026	343.1	257.3	/	0.037	238.3	178.7	
900	/	0.017	503.4	377.6	/	0.027	325.4	244.1	/	0.039	225.7	169.3	
850	/	0.018	475.9	356.9	/	0.029	307.8	230.8	/	0.041	213.1	159.8	
800	/	0.020	448.3	336.2	/	0.030	290.2	217.7	/	0.044	200.5	150.4	
750	/	0.021	421.1	315.8	/	0.032	272.6	204.5	/	0.047	188.0	141.0	
700	/	0.022	393.4	295.0	/	0.035	255.0	191.2	/	0.050	175.4	131.6	
650	/	0.024	365.9	274.4	/	0.037	237.4	178.0	/	0.054	162.8	122.1	
600	/	0.026	338.5	253.8	/	0.040	219.8	164.9	/	0.059	150.2	112.7	
550	/	0.028	310.8	233.1	/	0.044	202.2	151.7	/	0.064	137.7	103.3	
500	/	0.031	283.3	212.5	/	0.048	184.6	138.5	/	0.070	125.1	93.8	
450	/	0.034	255.8	191.9	/	0.053	167.0	125.2	/	0.078	112.5	84.4	
400	/	0.039	228.3	171.2	/	0.059	149.4	112.0	/	0.088	100.0	75.0	
350	/	0.044	200.8	150.6	/	0.067	131.8	98.8	/	0.101	87.4	65.5	
300	/	0.051	173.3	129.9	/	0.077	114.2	85.6	/	0.118	74.8	56.1	
250	/	0.060	145.7	109.3	/	0.091	96.6	72.4	/	0.141	62.3	46.7	
200	/	0.074	118.2	88.7	/	0.111	78.9	59.2	/	0.177	49.7	37.3	
150	0.5	0.097	90.7	68.0	1.0	0.143	61.3	46.0	/	0.237	37.1	27.8	
100	1.0	0.139	63.2	47.4	2.5	0.201	43.7	32.8	/	0.359	24.5	18.4	

Model Name		CC-10M5018FF			
Working Distance (mm)	Extension Tube (mm)	Magnification	FOV (mm)		
			2/3"		
			H	V	
1000	/	0.052	167.9	126.0	
950	/	0.055	159.1	119.3	
900	/	0.059	150.4	112.8	
850	/	0.062	141.5	106.2	
800	/	0.066	132.8	99.6	
750	/	0.071	123.9	93.0	
700	/	0.076	115.2	86.4	
650	/	0.083	106.4	79.8	
600	/	0.090	97.6	73.2	
550	/	0.099	88.8	66.6	
500	/	0.110	80.0	60.0	
450	/	0.124	71.2	53.4	
400	/	0.141	62.4	46.8	
350	/	0.164	53.6	40.2	
300	/	0.197	44.8	33.6	
250	/	0.245	36.0	27.0	
200	/	0.324	27.2	20.4	
150	/	0.479	18.4	13.8	
100	/	0.920	9.6	7.2	