




# SOYO Megapixel Lenses List


## 索友科技镜头规格表

2019-Apr.1

靶面 Format	焦距 F.Length	像素 Resolution	镜头型号 Model	光圈 F.No.	畸变 Distortion	光学后焦 BFL (mm)	光学总长 TTL.(mm)	最近物距 MOD	尺寸 Size(mm)	滤镜螺纹 Filter size	接口 Mount	角度 (参考) FOV			单价 Price (USD)	备注 Marks
												对角 (D)	水平 (H)	垂直 (V)		
<b>一、FA工业机器视觉自动化镜头C/CS : Industrial FA machine vision lens C mount</b> 																
4/3"	12mm	20M	S43MV1228-20M	2.8	<2%	10.6	88.8	0.1m	φ12*67.8	/	C	83.4	71	56.3	量产中 Mass production	
	16mm		S43MV1628-20M	2.8	<1%	22.4	93.8	0.1m	φ38*78.3	M35.5*0.5	C	69	58	45		
	25mm		S43MV2528-20M	2.8	<0.3%	29.6	85.5	0.1m	φ37*78	M35.5*0.5	C	46	38	29		
	35mm		S43MV3528-20M	2.8	<0.04%	22.9	64.1	0.2m	φ38*47.6	M35.5*0.5	C	35	28	21		
	50mm		S43MV5028-20M	2.8	<0.3%	21.1	71.4	0.1m	φ38*53.9	M35.5*0.5	C	25	20	15		
	8mm	10M ★	S43MV0828-20M	2.8	-4.6%	18.8		0.5m	φ58.6*72	/	C	107	95	78		
	12mm		S43MV1220-20M	2.0	-2.4%	18.9	95.3	0.15m	φ80*87.8	M77*0.75	C	89	76	61		
	16mm		S43MV1620-20M	2.0	-2.8%	21	99.9	0.1m	φ63.2*90	M58*0.75	C	73	61	47		
	25mm		S43MV2520-20M	2.0	-0.6%	22.4	93.06	0.15m	φ51.8*86	M46*0.75	C	48	41	31		
	35mm		S43MV3520-20M	2.0	-0.5%	18.6	65.9	0.2m	φ52*72	M46*0.75	C	37	30	22.4		
	50mm		S43MV5020-20M	2.0	-0.14%	20.3	66.3	0.3m	φ51.9*71	M46*0.75	C	26	21	16		
	1.1"	12mm	20M	S11MV1228-20M	2.8	<0.15%	10.6	88.8	0.1m	φ48*67.2	/	C	67	57		45
16mm		S11MV1628-20M		2.8	<0.5%	22.4	95.8	0.1m	φ38*78.3	M35.5*0.5	C	56.3	46	36		
25mm		S11MV2528-20M		2.8	<0.1%	22.4	78	0.1m	φ31*78	M35.5*0.5	C	38	31	23		
35mm		S11MV3528-20M		2.8	<0.02%	22.9	65	0.2m	φ38*47.6	M35.5*0.5	C	28.3	23	17		
50mm		S11MV5028-20M		2.8	<0.04%	21.1	71.4	0.3m	φ38*53.9	M35.5*0.5	C	20	16	12		
6mm		10M	S1MV0618-10M	1.8	<2.3%	13.5	95.3	0.1m	φ66*65.8	/	C	118	105	86		
8mm			S1MV0814-10M	1.4	<5%	10.35	95.3	0.1m	φ60*85	/	C	98	84	68		
12mm			S1MV1214-10M	1.4	<0.5%	12.5	93.2	0.1m	φ46*75.7	M40.5*0.5	C	64	53	41		
1"	8mm	10M ★	S1MV0818-8M	1.8	-4.12%	/	/	0.3m	φ56.8*54.9	/	C	90	77	61.3	量产中 Mass production	
	12mm		S1MV1220-8M	2.0	-4.1%	15.07	85.33	0.08mm	φ37.7*48.9	M35*0.5	C	70	61	44		
	16mm		S1MV1620-8M	2.0	-2.2%	11.19	59.78	0.1m	φ37*45.9	M34*0.5	C	54	44	33.4		
	25mm		S1MV2518-8M	1.8	-1.53%	12.68	48.94	0.15m	φ33.5*36.8	M30*0.5	C	36	29	22		
	35mm		S1MV3520-8M	2.0	0.33%	12.96	49.58	0.2m	φ34*35.2	M30*0.5	C	26	21	16		
	50mm		S1MV5020-8M	2.0	-0.01%	21.35	/	0.25m	φ42.4*43.1	M37*0.5	C	18.2	15	11		
	75mm		S1MV7528-8M	2.8	0.75%	23.15	76.75	0.5m	φ42.7*60.35	M39*0.5	C	12.5	10	7.3		
	16mm	10M	S1MV1613-10M	1.3	<2%	14.08	96	0.3m	φ51*88.4	/	C	54	44	31		
	25mm		S1MV2512-10M	1.2	<3%	14.4	95.4	0.3m	φ52*78.8	/	C	36	29	21		
	35mm		S1MV3512-10M	1.2	<3%	15.5	103.3	0.3m	φ52*85.8	/	C	54	42	34		
	50mm		S1MV5013-10M	1.3	<3%	12.9	86.9	0.3m	φ57*69.4	/	C	53	40	31		
	20mm	8M	S1MV2016-8M	1.6	-0.93%	/	/	0.5m	φ48.5*56	/	C	44	36	27		
	100mm	10M	S1MV10035-10M	3.5	0.025%	/	/	2m	φ42*58.5	/	C	10	7.2	5.5		
	8mm	5M	S1MV0814-5M	1.4	<1.5%	7.8	81.2	0.2m	φ57.5*63.7	/	C	88	71	53		
	12mm		S1MV1214-5M	1.4	<1.5%	11	81.5	0.3m	φ50*64.9	/	C	66	53	40		
	16mm		S1MV1614-5M	1.4	<1%	21.5	72	0.2m	φ42*58.5	/	C	53	42	32		
	25mm		S1MV2514-5M	1.4	<1%	13.3	48.5	0.4m	φ39*38.4	/	C	35	28	21		
	35mm		S1MV3520-5M	2	<1%	17.8	48.6	0.5m	φ37*40	/	C	26	20	15.4		
	50mm		S1MV5020-5M	2	<1%	14.2	72.9	0.5m	φ45*60	/	C	18	14.5	11		
	12mm		S1MV1214-5MC	1.4	1.8%	15.7	75.1	0.1m	φ50*57.6	M46*0.75	C	67	55	42		
	16mm		S1MV1614-5MC	1.4	0.2%	22.75	75.7	0.1m	φ50*58.2	M46*0.75	C	52	43	33		
	25mm		S1MV2514-5MC	1.4	0.1%	12.97	65.2	0.1m	φ44.8*47.7	M40.5*0.5	C	35	29	22		
	35mm		S1MV3514-5MC	1.4	0.1%	11.2	70.5	0.15m	φ52*53	M46*0.75	C	24	19.2	14.5		
	50mm		S1MV5014-5MC	1.4	0.1%	10.6	72.8	0.3m	φ52*55.3	M46*0.75	C	17	14	10.5		
75mm	S1MV7518-5MC		1.8	0.1%	16	108.1	0.8m	φ60*90.6	M55*0.75	C	12.2	10	7.4			

靶面 Format	焦距 F.Length	像素 Resolution	镜头型号 Model	光圈 F No.	畸变 Distortion	光学后焦 BFL (mm)	光学总长 TTL.(mm)	最近物距 MOD	尺寸 Size(mm)	滤镜螺纹 Filter size	接口 Mount	角度 (参考) FOV			单价 Price (USD)	备注 Marks
												对角 (D)	水平 (H)	垂直 (V)		
2/3"	8mm	10M ★	SMV0824-10M	2.4	1.3%	9.3	65.5	0.1m	φ40*48	M37*0.5	C	66	55	43	量产中 Mass production	
	12mm		SMV1214-10M	1.6	0.30%			0.1m	φ52*78.8	M27*0.5	C				样品中 Sample	
	16mm		SMV1616-10M	1.6	<0.16%		59.7	0.1m	φ30*42	M27*0.5	C	38	31	23	量产中 Mass production	
	25mm		SMV2518-10M	1.8	<0.1%	11.03	52	0.2m	φ32*34.5	M27*0.5	C	26	20	15	量产中 Mass production	
	35mm		SMV3516-10M	1.6	<0.06%			0.2m		M27*0.5	C				样品中 Sample	
	50mm		SMV5024-10M	2.4	<0.1%			0.3m		M27*0.5	C				样品中 Sample	
	8mm	10M	SMV0828-10MC	2.8	<1%	11.5	50.3	0.1m	φ32*32.8	M30.5*0.5	C	68	58	44	量产中 Mass production	
	12mm		SMV1228-10MC	2.8	<0.2%	13.8	50.3	0.1m	φ29*38	M27*0.5	C	49	40	31		
	16mm		SMV1628-10MC	2.8	<0.1%	12.8	58.1	0.1m	φ29*40.6	M27*0.5	C	39	31	23		
	25mm		SMV2528-10MC	2.8	<0.1%	14.3	51.3	0.1m	φ29*33.8	M27*0.5	C	25	20	15.3		
	35mm		SMV3528-10MC	2.8	<0.1%	16.5	64.2	0.1m	φ29*46.7	M27*0.5	C	16.3	10	13.1		
	50mm		SMV5028-10MC	2.8	<0.1%	12.4	73.6	0.3m	φ29*56.1	M27*0.5	C	13	11	9		
	12-36mm	8M	SMV1236-8M	2.8	-3.4~0.3%	12.6	73.6	0.15m	φ29*56.1	M35.5*0.5	C	51	41	31	量产中 Mass production	
	8mm	5M	SMV0814-5MC	1.4	-0.6%	10.7	57.5	0.1m	φ39.3*40	M37*0.5	C	67	56	43		
	12mm		SMV1214-5MC	1.4	<-0.8%	13	54	0.15m	φ32.9*36.5	M30.5*0.5	C	47	39	31		
	16mm		SMV1614-5MC	1.4	<0.1%	12.7	49	0.1m	φ33.5*33.9	M30.5*0.5	C	38	31	23		
	25mm		SMV2514-5MC	1.4	<0.2%	12.25	53.8	0.2m	φ33.5*36.3	M30.5*0.5	C	25	20	15		
	35mm		SMV3514-5MC	1.4	<0.-0.4%	9.2	60.5	0.2m	φ39.8*43.7	M37*0.5	C	17.3	14	11		
	50mm		SMV5014-5MC	1.4	<-0.1%	12.4	74.5	0.3m	φ39.6*57	M37*0.5	C	13	11	8		
	6mm	5M ★	SMV0614-5M	1.4	<1.5%	8.7	64.6	0.1m	φ45*46.9	/	C	86	74	59	量产中 Mass production	
	8mm		SMV0814-5M	1.4	<1.15%	7.79	81.2	0.2m	φ45.2*66.8	/	C	67	55	43		
12mm	SMV1214-5M		1.4	<1%	15.3	58.4	0.2m	φ36*41.7	/	C	48	38	28			
16mm	SMV1614-5M		1.4	<1%	21.5	72	0.2m	φ41.5*55.6	/	C	38	30	22			
25mm	SMV2514-5M		1.4	<1%	13.3	48.5	0.4m	φ39*38.4	/	C	25	20	15.5			
35mm	SMV3514-5M		1.4	<1%	17.6	55	0.5m	φ36*39.2	/	C	18	14.5	11			
50mm	SMV5014-5M		1.4	<1%	14.2	72.9	0.5m	φ45*60	/	C	13	10	8			
12-36mm	3M	SMV1236-3M	2.8	-3.43-0.3%	/	/	0.15m	φ40.3*58	M35.5*0.5	C	51	41	31			
1/1.8"	4mm	5M	SFA0420-5M	2.0	<0.5%	8.7	45.4	0.1m	φ38.2*27.9	/	C	94	83	66	量产中 Mass production	
	5mm		SMV0516-5M	1.6	<2.3%		59	0.15m	φ39*41.5	M37*0.5	C	73	61	47		
	6mm		SFA0622-5M	2.2	<0.1%	11.6	41.3	0.1m	φ26.8*23.5	M25.5*0.5	C	70	60	46		
	8mm		SFA0822-5M	2.2	<0.1%	11.4	42.5	0.1m	φ26.8*25	M25.5*0.5	C	56	47	36		
	12mm		SFA1222-5M	2.2	<0.3%	12.5	37.4	0.1m	φ26.8*19.9	M25.5*0.5	C	41	33	24		
	16mm		SFA1622-5M	2.2	<0.1%	12.7	39.9	0.1m	φ26.8*22.4	M25.5*0.5	C	31	25	18		
	25mm		SFA2522-5M	2.2	<0.1%	13.7	41	0.1m	φ27*23.5	M25.5*0.5	C	19	14	11		
	35mm		SFA3522-5M	2.2	<0.1%	19	50.5	0.2m	φ28*33	M25.5*0.5	C	12	9	7		
	50mm		SFA5028-5M	2.8	<0.05%	17.4	62.4	0.3m	φ30.6*44.9	/	C	10.2	8.2	6		
	75mm		SFA7528-5M	2.8	<0.05%	42.2	89.4	0.5m	φ35*71.9	/	C	6	5.4	4		
	6-12mm		SVMV0612-3M	1.6	<0.1%		44.5	0.3m	φ35*71.9	/	C	78	65	51		

Next Pages are M12 Low Distortion Lenses

靶面 Format	焦距 F.Length	像素 Resolution	镜头型号 Model	光圈 F No.	畸变 Distortion	光学后焦 BFL (mm)	光学总长 TTL.(mm)	最近物距 MOD	尺寸 Size(mm)	滤镜螺纹 Filter size	接口 Mount	角度 (参考) FOV			单价 Price (USD)	备注 Marks
												对角 (D)	水平 (H)	垂直 (V)		
<b>二、M12 扳机工业机器视觉、人脸识别、视频会议镜头 : Industrial , FA, Face recognition, Video conference, Scanner lens S mount</b> 																
2/3"	25mm	5M	S23ND2518-5M	1.8	<0.3%	/	/	0.3m	φ17*21.1	/	M12	25	20	15	量产中 Mass production	
	35mm		S23ND3518-5M	1.8	<0.05%	5.5	30	0.35m	φ20.2*29.3	/	M12	-	14.3	10.8		
1/1.8"	5.5mm	3M	SND5518IR-5M	1.8	-1.4%	6.8	30.17	0.2m	φ24*23.3	/	M12	76	65	51	量产中 Mass production	
	3mm	5M	SND3328-5M	2.8	<1%	6.1	23.7	0.1m	φ18.8*17.65	/	M12	100	86	70		
	6mm		SND0628-5M	2.8	<0.5%	7.7	28.4	0.1m	φ20*22.04	/	M12	72	61	47		
	8mm		SND0828-5M	2.8	<0.3%	6.6	24.9	0.1m	φ17*19	/	M12	57	47	36		
	12mm		SND1228-5M	2.8	<0.2%	11.1	25.4	0.1m	φ15*19.5	/	M12	41	33	25		
	16mm		SND1628-5M	2.8	<0.1%	9.6	19.3	0.1m	φ14*13.7	/	M12	31	25	19		
25mm	SND2528-5M	2.8	<0.05%	11.8	26.2	0.2m	φ14*20.3	/	M12	20	16	12				
1/2"	16mm	5M	SBF1620IR-5M	2.0	-2.5%	6.7	22.5	0.3m	φ14*15.8	/	M12	29	23	18	量产中 Mass production	
	25mm		SBF2524IR-5M	2.4	1.13%	6.1	26.5	0.3m	φ14*20.4	/	M12	18.3	15	11		
	25mm		S12BF2524IR-5M	2.4	3.3%	6.8	25.5	0.4m	φ15*18.7	/	M12	18	14.3	11		
	35mm		S12BF3525IR-5M	2.5	0.45%	7.3	40.7	0.4m	φ20*33.4	/	M12	13.1	11	7.8		
	50mm		S12BF5020IR-5M	2.0	0.17%	7.3	56.2	0.5m	φ25*48.9	/	M12	9.3	6.2	4.5		
1/2.3"	4.2mm	14M	SND1329-14M	3.0	-1.2%	2.82	22	0.1m	φ14*19.2	/	M12	87	77	61	量产中 Mass production	
	5.4mm	10M	SBD5425IR-10ML	2.5	-2%	5.4	24.74	0.2m	φ14*18.74	/	M12	70	60	46		
1/2.5"	2.8mm	12M	SND2625-12M	2.4	<2%	4.92	22	0.1m	φ18*18.26	/	M12	112	100	80	量产中 Mass production	
	2.8mm	8M	SND2623-8M	2.5	<3.2%	4.7	23	0.1m	φ18*19.6	/	M12	112	100	80		
	3.2mm	16M	SND3528-16M	2.4	<3.9%	3.4	22	0.1m	φ14*19.6	/	M12	100	89	57		
	3.9mm	5M	SND3928-5M	3.0	<0.35%	4.54	21.1	0.2m	φ14*18.8	/	M12	96	80	60		
	3.5mm	3M	SND3518IR-3ML	1.8	-1.5%	5.89	27.29	0.2m	φ24*19	/	M12	90	84	68		
	4.5mm	3M	SND4518IR-3ML	1.8	-1.9%	5	28.94	0.2m	φ24*22.8	/	M12	76.4	66	51		
1/2.7"	3.6mm	12M	SND3920-12M	2.0	<1.5%	3.18	16.3	0.1m	φ14*14.3	/	M12	91	83	52	量产中 Mass production	
1/3"	2.7mm	8M	SND3429-8M	2.8	<1.53%	3.46	15.6	0.05m	φ14*13	/	M12	99	90	58		
	3.0mm	5M	SND3427-5M	2.8	<0.95%	3.8	15.6	0.1m	φ14*12.95	/	M12	89	81	51		
	5.7mm	5M	SND1001-5M	3.0	<-5.8%	4.89	10.04	0.1m	φ6*6.68	/	M12	60	53	30		

Continuing ... ( Telecentric lens, ITS lens ... )



Contact : Fany Chow

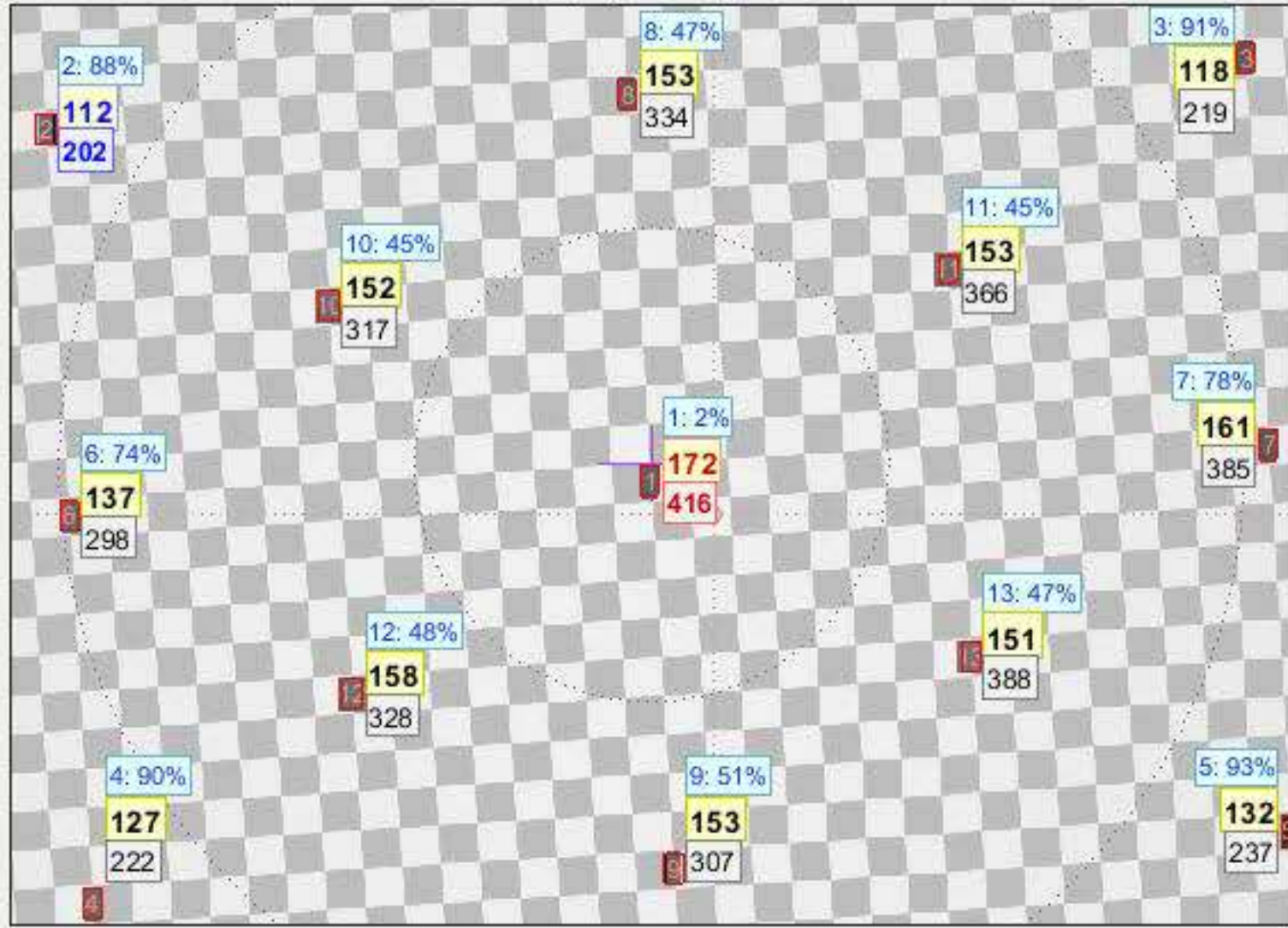
Skype/wechat : soyocctv

E-mail : fany@soyocctv.com

Website : www.soyocctv.com



长细-2.bmp



Weighted mean summary



1/0.75/0.5 Ctr/ptwy/cor  
 MTF50 156 Cy/mm  
 MTF50 1430 LW/PH  
 MTF20 352.6 Cy/mm  
 MTF20 3236 LW/PH  
 [Chr Aber corner-wtd]  
 CA (area %) 0.0000  
 Mean MTF50 Cy/mm, LW/PH  
 Center 172, 1582  
 Pt Way 151, 1386  
 Corner 130, 1191



3D旋转 3D Rotate  
 整个图像 Full Image  
 裁剪 Crop

读取图像文件 Load Image File  
 保存 Save  
 刷新 Refresh

11. 棋盘格 Checkerboard  
 从设备获取 Get from Device  
 图表类型 Chart Type

当前图像的新分析 New Analysis of Current Image  
 设置... Settings...  
 更多设置... More Settings...

显示设置 Display Settings  
 Sensor MTF comp.

4. Multi-ROI summary  
 MTF50, MTF20, CA  
 显示所有结果 Show All Results

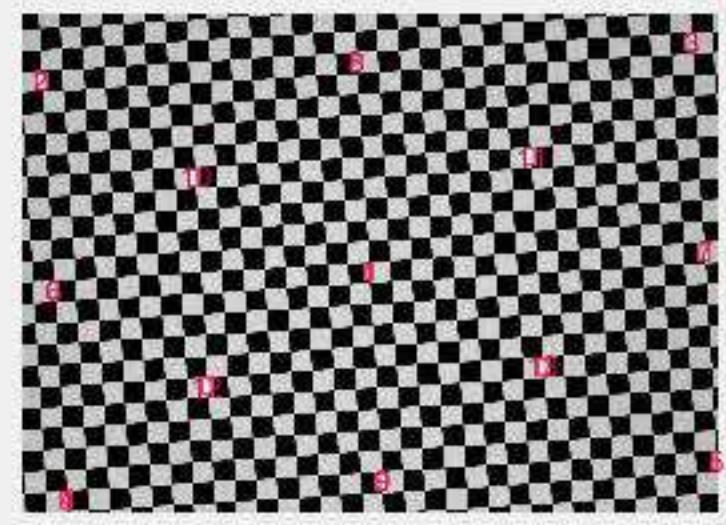
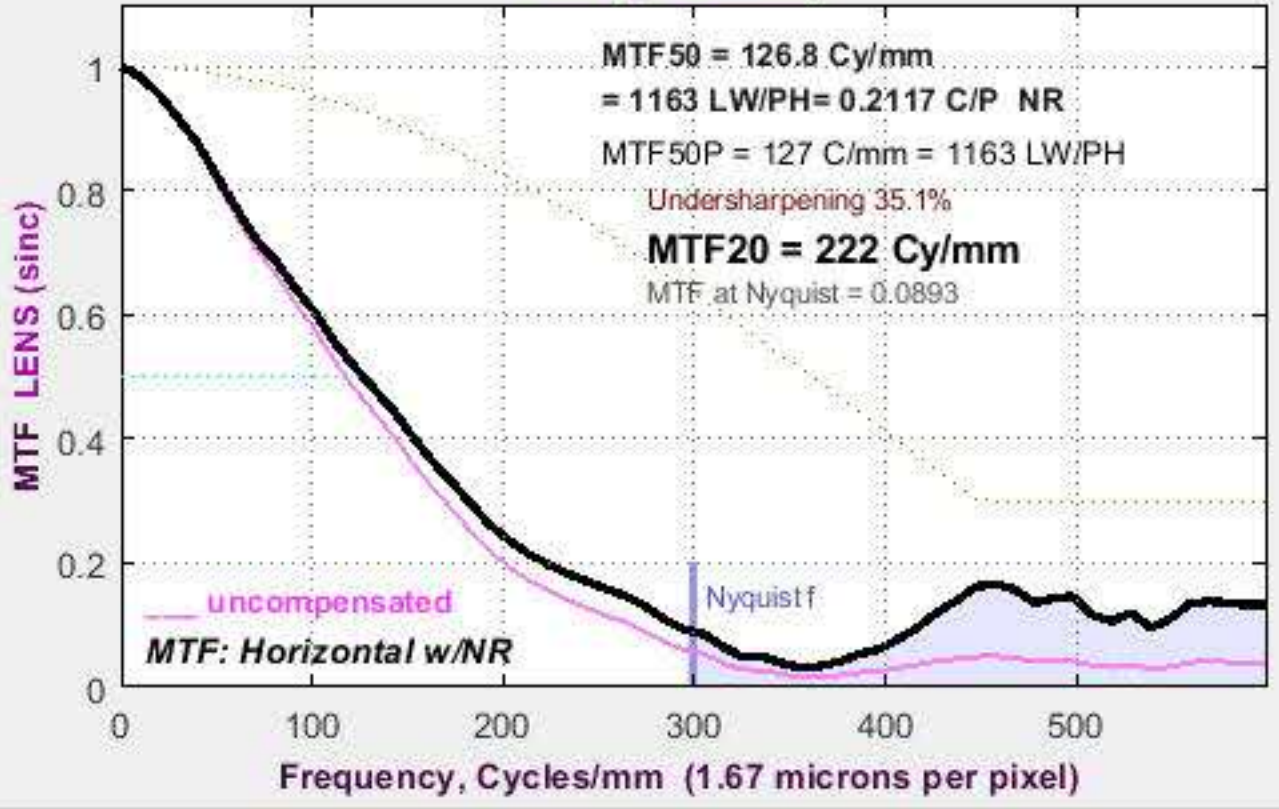
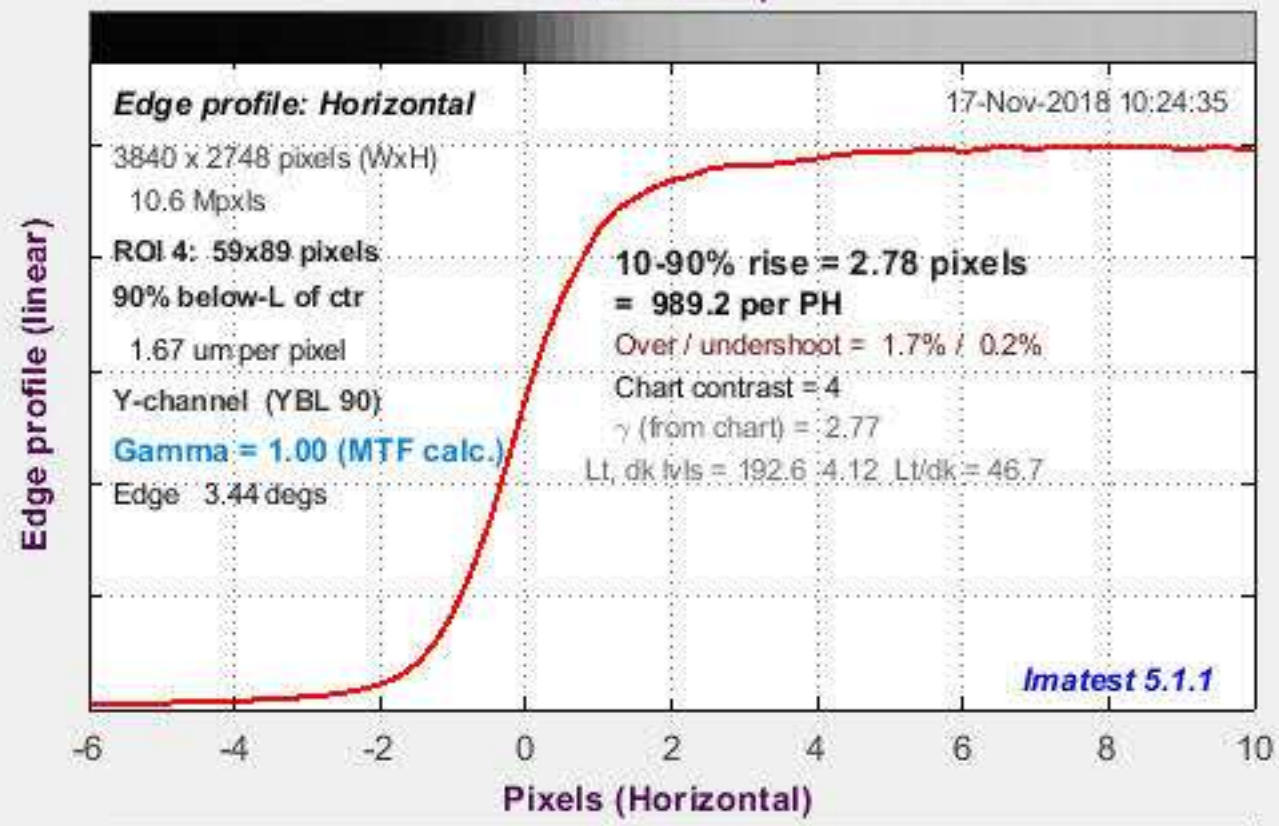
3840x2748 pixels (WxH) 320:229; 10.6 Mpxls;  
 17-Nov-2018 10:24:35 13 ROIs  
 MTF asymmetry x,y = 5.0% 5.9%  
 Y-channel Gamma = 1.00 (2.66 from ROIs)

N: Ctr-corner % distance  
 MTF50 Cy/mm  
 MTF20 Cy/mm  
 Chr Aber(area %Ctr-Cor)

保存屏幕 Save Screen  
 帮助 Help  
 保存数据 Save Data  
 退出 Exit  
 5.1.1  
 imatest®



长细-2.bmp



3D旋转 [v] 整个图像 裁剪

读取图像文件 保存 刷新

11. 棋盘格 [v]  
 从设备获取 图表类型

当前图像的新分析 [v]  
 设置... 更多设置...

显示设置 Sensor MTF comp.  
 1. 边缘和MTF [v]

Max f: 2x Nyquist [v] Max plot f  
 4 Lower LV -15\_10\_V [v]

Show edge crop & MTF 示值读数

保存屏幕 帮助 5.1.1  
 保存数据 退出 imatest®