

Max IF (mm)	FOV type	Mag. (x)	WD (mm)	Field of View												Optical specifications					Mechanical specifications				Model name
				1/2" (Max IF : 8) 6.4 x 4.8 x 8.0			2/3" (Max IF : 11) 8.8 x 6.6 x 11.0			1.1" (Max IF : 18.5) 14.1 x 10.4 x 17.5			4/3" (Max IF : 23) 18.4x13.8x 23.0			Effective F#	Distortion (%)	Telecentricity (deg.)	Resolution @520µm (µm)	DOF @40µm (mm)	Outer dia. (φmm)	Length (mm)	Weight (kg)	Standard Mount	
				H 6.4	V 4.8	D 8.0	H 8.8	V 6.6	D 11.0	H 14.1	V 10.4	D 17.5	H 18.4	V 13.8	D 23.0										
11mm	90	0.122	120	52	39	65	72	54	90					8.0	-0.02	0.03	41.8	43.1	125	301	1.85	C	MTL-9011C-012		
	100	0.110	220	58	44	73	80	60	100					8.0	0.01	0.03	46.4	53.2	125	297	1.89	C	MTL-10011C-011		
	120	0.092	255	70	52	87	96	72	120					8.0	-0.03	0.04	55.7	76.7	160	316.7	3.20	C	MTL-12011C-009		
	135	0.081	260	79	59	98	108	81	135					8.0	-0.02	0.05	62.6	96.9	160	378.4	3.55	C	MTL-13511C-008		
	150	0.073	300	87	66	109	120	90	150					8.0	-0.01	0.04	69.7	120.0	180	408.9	4.45	C	MTL-15011C-007		
	180	0.061	350	105	78	131	144	108	180					8.0	0.02	0.05	83.5	172.1	210	461.8	7.09	C	MTL-18011C-006		
	195	0.056	365	114	85	142	156	117	195					8.0	-0.05	0.04	90.6	202.6	230	505.8	7.95	C	MTL-19511C-006		
	240	0.046	375	140	105	174	192	144	240					8.0	0.04	0.05	111.3	305.9	300	654.6	15.2	C	MTL-24011C-005		
	265	0.041	540	155	116	193	213	159	266					8.0	0.03	0.05	123.3	375.5	300	689.8	15.2	C	MTL-26511C-004		
310	0.035	470	181	135	226	248	186	310					8.0	-0.04	0.05	144.0	512.5	350	733.6	25.4	C	MTL-31011C-004			
18.5mm	35	0.527	95	12	9	15	17	13	21	27	20	33		8.0	-0.03	0.05	9.6	2.3	60	138.3	0.51	C	MTL-3518C-053		
	45	0.410	110	16	12	20	21	16	27	34	25	43		8.0	-0.04	0.05	12.4	3.8	71	163.2	0.69	C	MTL-4518C-041		
	55	0.335	135	19	14	24	26	20	33	42	31	52		8.0	-0.03	0.04	15.2	5.7	78	198.1	0.79	C	MTL-5518C-034		
	65	0.285	135	22	17	28	31	23	39	50	36	61		8.0	-0.04	0.04	17.8	7.9	86	223.1	0.85	C	MTL-6518C-029		
	80	0.228	165	28	21	35	39	29	48	62	45	77		8.0	-0.03	0.03	22.2	12.3	104	272.0	1.33	C	MTL-8018C-023		
	90	0.206	120	31	23	39	43	32	53	69	50	85		8.0	0.02	0.03	24.7	15.2	125	331.5	2.07	C	MTL-9018C-021		
	100	0.185	220	35	26	43	48	36	59	76	56	95		8.0	0.02	0.03	27.5	18.7	125	327.3	2.11	C	MTL-10018C-019		
	120	0.154	255	42	31	52	57	43	71	92	67	114		8.0	0.03	0.04	33.0	27.0	160	347.6	3.42	C	MTL-12018C-015		
	135	0.137	260	47	35	58	64	48	80	103	75	128		8.0	0.03	0.05	37.1	34.1	160	409.2	3.77	C	MTL-13518C-014		
	150	0.123	300	52	39	65	71	54	89	115	84	142		8.0	0.02	0.04	41.2	42.2	180	439.7	4.67	C	MTL-15018C-012		
	180	0.103	350	62	47	78	86	64	107	137	101	170		8.0	0.03	0.05	49.4	60.6	210	492.7	7.31	C	MTL-18018C-010		
	195	0.095	365	67	51	84	93	70	116	149	109	185		8.0	-0.04	0.04	53.6	71.3	230	536.6	8.17	C	MTL-19518C-009		
240	0.077	375	83	62	104	114	86	143	183	134	227		8.0	0.05	0.05	65.8	107.6	300	685.4	15.5	C	MTL-24018C-008			
265	0.070	540	92	69	115	126	95	158	203	149	251		8.0	0.03	0.05	72.9	132.1	300	720.6	15.5	C	MTL-26518C-007			
310	0.060	470	107	81	134	148	111	185	237	174	294		8.0	0.04	0.05	85.2	180.2	350	764.5	25.6	C	MTL-31018C-006			
23mm	35	0.655	95	10	7	12	13	10	17	22	16	27	28	21	35	8.0	-0.03	0.05	7.7	1.5	60	164.3	0.55	P	MTL-3523P-066
	45	0.509	110	13	9	16	17	13	22	28	20	34	36	27	45	8.0	-0.04	0.05	10.0	2.5	71	189.2	0.73	P	MTL-4523P-051
	55	0.417	135	15	12	19	21	16	26	34	25	42	44	33	55	8.0	-0.04	0.04	12.2	3.7	78	224.2	0.83	P	MTL-5523P-042
	65	0.354	135	18	14	23	25	19	31	40	29	49	52	39	65	8.0	-0.04	0.04	14.3	5.1	86	249.1	0.89	P	MTL-6523P-035
	80	0.284	165	23	17	28	31	23	39	50	36	62	65	49	81	8.0	-0.03	0.03	17.9	7.9	104	298.0	1.38	P	MTL-8023P-029
	90	0.256	120	25	19	31	34	26	43	55	40	69	72	54	90	8.0	0.02	0.03	19.9	9.8	125	357.5	2.14	P	MTL-9023P-026
	100	0.230	220	28	21	35	38	29	48	61	45	76	80	60	100	8.0	0.02	0.03	22.1	12.1	125	353.3	2.18	P	MTL-10023P-023
	120	0.192	255	33	25	42	46	34	57	74	54	91	96	72	120	8.0	0.03	0.04	26.5	17.4	160	373.7	3.49	P	MTL-12023P-019
	135	0.170	260	38	28	47	52	39	65	83	61	103	108	81	135	8.0	0.03	0.05	29.8	22.0	160	435.3	3.84	P	MTL-13523P-017
	150	0.153	300	42	31	52	57	43	72	92	68	114	120	90	150	8.0	0.02	0.04	33.1	27.3	180	465.8	4.74	P	MTL-15023P-015
	180	0.128	350	50	38	63	69	52	86	110	81	137	144	108	180	8.0	0.03	0.05	39.7	39.2	210	518.7	7.38	P	MTL-18023P-013
	195	0.118	365	54	41	68	75	56	93	120	88	149	156	117	195	8.0	-0.04	0.04	43.1	46.1	230	562.6	8.24	P	MTL-19523P-012
	240	0.096	375	67	50	83	92	69	115	147	108	183	192	144	240	8.0	0.04	0.05	52.9	69.5	300	711.4	15.5	P	MTL-24023P-010
	265	0.087	540	74	55	92	102	76	127	163	120	202	213	160	266	8.0	0.03	0.05	58.6	85.4	300	746.6	15.5	P	MTL-26523P-009
310	0.074	470	86	65	108	119	89	148	191	140	236	249	186	311	8.0	0.04	0.05	68.5	116.5	350	790.5	25.7	P	MTL-31023P-007	

C : 1-32UNF FB17.526
P : M42 P1 FB11.48
M58 : M58 P0.75 FB24.06
V74 : V-φ74 FB48.3
M95 : M95 P1 FB9.4

Max IF (mm)	FOV type	Mag. (x)	WD (mm)	Field of View												Optical specifications					Mechanical specifications				Model name
				35mm (Max IF : 35mm)			43.5mm (Max IF : 43.5mm)			57.3mm (Max IF : 57.3mm)			82mm 16K 5µm			Effective F#	Distortion (%)	Telecentricity (deg.)	Resolution @520µm (µm)	DOF @40µm (mm)	Outer dia. (φmm)	Length (mm)	Weight (kg)	Standard Mount	
				H 23.0	V 23.0	D 32.6	H 36.2	V 24.1	D 43.5	H 48.7	V 29.0	D 56.7	H -	V -	D 82.0										
3.5mm	35	0.999	95	23	23	33								9.2	-0.03	0.05	5.8	0.7	60	222.1	0.86	P	MTL-3535P-100		
	45	0.776	110	30	30	42								9.2	-0.04	0.05	7.5	1.2	71	247.0	1.04	P	MTL-4535P-078		
	55	0.635	135	36	36	51								9.2	-0.04	0.04	9.2	1.8	78	281.9	1.14	P	MTL-5535P-064		
	65	0.540	135	43	43	60								9.2	-0.04	0.04	10.8	2.5	86	306.8	1.20	P	MTL-6535P-054		
	80	0.433	165	53	53	75								9.2	-0.03	0.03	13.5	3.9	104	355.8	1.68	P	MTL-8035P-044		
	90	0.390	120	59	59	84								9.2	0.02	0.03	14.9	4.8	125	415.3	2.35	P	MTL-9035P-039		
	100	0.351	220	66	66	93								9.2	0.02	0.03	16.6	6.0	125	411.1	2.39	P	MTL-10035P-035		
	120	0.292	255	79	79	112								9.2	0.03	0.04	19.9	8.6	160	431.5	3.70	P	MTL-12035P-029		
	135	0.260	260	89	89	125								9.2	0.03	0.05	22.4	10.9	160	493.0	4.05	P	MTL-13535P-026		
	150	0.233	300	99	99	140								9.2	0.02	0.04	24.9	13.5	180	523.4	4.95	P	MTL-15035P-023		
	180	0.195	350	118	118	167								9.2	0.03	0.05	29.8	19.3	210	576.4	7.59	P	MTL-18035P-019		
	195	0.180	365	128	128	181								9.2	0.04	0.04	32.4	22.7	230	620.3	8.45	P	MTL-19535P-018		
	240	0.146	375	158	158	223								9.2	0.05	0.05	39.8	34.3	300	769.2	15.7	P	MTL-24035P-015		
265	0.132	540	175	175	247								9.2	0.03	0.05	44.1	42.1	300	804.4	15.7	P	MTL-26535P-013			
310	0.113	470	204	204	288								9.2	0.04	0.05	51.5	57.5	350	848.2	25.9	P	MTL-31035P-011			
43.5mm	35	1.240	95	19	19	26	29	19	35					13.7	-0.03	0.05	7	0.7	60	253.6	0.78	M58	MTL-3543M58-124		
	45	0.964	110	24	24	34	38	25	45					13.7	-0.04	0.05	9	1.2	71	278.6	0.96	M58	MTL-4543M58-096		
	55	0.788	135	29	29	41	46	31	55					13.7	-0.04	0.04	11	1.8	78	313.5	1.06	M58	MTL-5543M58-079		
	65	0.670	135	34	34	49	54	36	65					13.7	-0.04	0.04	13	2.4	86	338.5	1.12	M58	MTL-6543M58-067		
	80	0.537	165	43	43	61	67	45	81					13.7	-0.03	0.03	16.2	3.8	104	387.4	1.60	M58	MTL-8043M58-054		
	90	0.484	120	48	48	67	75	50	90					13.7	0.02	0.03	18	4.7	125	446.9	2.50	M58	MTL-9043M58-048		
	100	0.435	220	53	53	75	83	55	100					13.7	0.02	0.03	20	5.8	125	442.7	2.54	M58	MTL-10043M58-044		
	120	0.362	255	64	64	90	100	67	120					13.7	0.03	0.04	24	8.3	160	463.2	3.85	M58	MTL-12043M58-036		
	135	0.322	260	71	71	101	112	75	135					13.7	0.03	0.05	26.9	10.5	160	524.6	4.20	M58	MTL-13543M58-032		
	150	0.290	300	79	79	112	125	83	150					13.7	0.02	0.04	30	13.0	180	555.0	5.10	M58	MTL-15043M58-029		
	180	0.242	350	95	95	135	149	100	180					13.7	0.03	0.05	35.9	18.7	210	608.0	7.74	M58	MTL-18043M58-024		
	195	0.223	365	103	103	146	162	108	195					13.7	-0.04	0.04	39	22.0	230	652.0	8.60	M58	MTL-19543M58-022		
	240	0.182	375	127	127	179	199	133	239					13.7	0.05	0.05	47.9	33.2	300	800.8	15.8	M58	MTL-24043M58-018		
265	0.164	540	141	141	199	221	147	265					13.7	0.03	0.05	53	40.8	300	836.0	15.8	M58	MTL-26543M58-016			
310	0.140	470	164	164	232	258	172	310					13.7	0.04	0.05	61.9	55.7	350	879.8	26.0	M58	MTL-31043M58-014			
57.3mm	35	1.636	95	14	14	20	22	15	27	30	18	35		15.0	0.03	0.05	5.8	0.4	60	295.1	1.26	V74	MTL-3557V74-164		
	45	1.272	110	18	18	26	28	19	34	38	23	45		15.0	0.03	0.05	7.5	0.7	71	320.1	1.44	V74	MTL-4557V74-127		
	55	1.040	135	22	22	31	35	23	42	47	28	55		15.0	0.03	0.04	9.2	1.1	78	355.0	1.54	V74	MTL-5557V74-104		
	65	0.884	135	26	26	37	41	27	49	55	33	64		15.0	0.04	0.04	10.8	1.5	86	379.9	1.60	V74	MTL-6557V74-088		
	80	0.709	165	33	33	46	51	34	61	69	41	80		15.0	0.03	0.03	13.5	2.4	104	428.9	2.08	V74	MTL-8057V74-072		
	90	0.638	120	36	36	51	57	38	68	76	46	89		15.0	0.03	0.03	14.9	3.0	125	488.5	2.97	V74	MTL-9057V74-064		
	100	0.574	220	40	40	57	63	42	76	85	51	99		15.0	0.03	0.03	16.6	3.6	125	484.2	3.01	V74	MTL-10057V74-057		
	120	0.478	255	48	48	68	76	50	91	102	61	119		15.0	0.03	0.04	19.9	5.3	160	504.8	4.32	V74	MTL-12057V74-048		
	135	0.425	260	54	54	77	85	57	102	114	68	133		15.0	0.04	0.05	22.4	6.6	160	566.0	4.67	V74	MTL-13557V74-043		
	150	0.382	300	60	60	85	95	63	114	127	76	148		15.0	0.02	0.04	24.9	8.2	180	596.3	5.57	V74	MTL-15057V74-038		
	180	0.319	350	72	72	102	113	76	136	153	91	178		15.0	0.03	0.04	29.8	11.8	210	649.4	8.21	V74	MTL-18057V74-032		
	195	0.294	365	78	78	111	123	82	148	166	99	193		15.0	0.03	0.04	32.4	13.9	230	693.3	9.07	V74	MTL-19557V74-029		
	240	0.240	375	96	96	136	151	101	181	203	121	237		15.0	0.05	0.05	39.8	20.9	300	842.2	16.3	V74	MTL-24057V74-024		
265	0.216	540	107	107	151	167	112	201	225	134	262		15.0	0.03	0.05	44.1	25.7	300	877.4	16.3	V74	MTL-26557V74-022			
310	0.185	470	125	125	176	195	130	235	263	157	306		15.0	0.05	0.05	51.5	35.1	350	921.2	26.5	V74	MTL-31057V74-019			
82mm	45	1.840	110	13	13	18	20	13	24	26	16	31	- - 45	18.0	0.03	0.05	6.2	0.4	71	511.7	2.06	M95	MTL-4582M95-182		
	55	1.505	135	15	15	22	24	16	29	32	19	38	- - 54	18.0	0.03	0.04	7.6	0.6	78	546.7	2.16	M95	MTL-5582M95-149		
	65	1.279	135	18	18	25	28	19	34	38	23	44	- - 64	18.0	0.03	0.04	8.9	0.9	86	571.6	2.22	M95	MTL-6582M95-126		
	80	1.026	165	22	22	32	35	24	42	47	28	55	- - 80	18.0	0.03	0.03	11.1	1.4	104	621.7	2.70	M95	MTL-8082M95-103		
	90	0.923	120	25	25	35	39	26	47	53	31	61	- - 89	18.0	0.04	0.03	12.4	1.7	125	680.3	3.30	M95	MTL-9082M95-091		
	100	0.831	220	28	28	39	44	29	52	59	35	68	- - 99	18.0	0.03	0.03	13.8	2.1	125	675.9	3.30	M95	MTL-10082M95-082		
	120	0.692	255	33	33	47	52	35	63	70	42	82	- - 118	18.0	0.04	0.04	16.5	3.0	160	697.6	4.65	M95	MTL-12082M95-068		
	135	0.615	260	37	37	53	59	39	71	79	47	92	- - 133	18.0	0.06	0.05	18.6	3.8	160	757.8	5.00	M95	MTL-13582M95-061		
	150	0.553	300	42	42	59	65	44	79	88	52	103	- - 148	18.0	0.03	0.04	20.7	4.7	180	795.6	5.90	M95	MTL-15082M95-055		
	180	0.462	350	50	50	71	78	52	94	105	63	123	- - 177	18.0	0.04	0.04	24.7	6.8	210	849.0	8.54	M95	MTL-18082M95-046		
	195	0.426	365	54	54	77	85	57	102	114	68	133	- - 192	18.0	0.04	0.04	26.8	7.9	230	884.6	9.40	M95	MTL-19582M95-042		
	240	0.347	375	66	66	94	104	70	125	141	84	164	- - 236	18.0	0.06	0.05	33.0	12.0	300	1033.7	16.6	M95	MTL-24082M95-034		
	265	0.313	540	74	74	104	115	77	139	155	93	181	- - 262	18.0	0.03	0.05	36.5	14.7	300	1068.6	16.6	M95	MTL-26582M95-031		
310	0.268	470	86	86	122	135	90	162	182	108	212	- - 306	18.0	0.06	0.05	42.7	20.1	350	1111.9	26.8	M95	MTL-31082M95-026			

C : 1-32UNF FB17.526
P : M42 P1 FB11.48
M58 : M58 P0.75 FB24.06
V74 : V-φ74 FB48.3
M95 : M95 P1 FB9.4