

ITEM		Sensor Information						Lens Specifications															
Sensor Grade	Model Name	Sensor Model Name	Sensor Size (")	Pixel Size (µm)	Pixel No. (H)	Pixel No. (V)	Image Size (D)	Lens Construction	Focal length (mm)	Total Length from Plane (mm)	Field of View (°)	MTF (C/0.7) (lp/mm)	Mount Dimension (mm)	Chief Ray Angle (°)	RI (%)	TV Distortion (%)	Flange Back Length (mm)	Back Focal Length (mm)	Max Image Height	IR Filter	Drawing Date (yy/mm/dd)	Status	ReMark
9Mega	KL61A428M70B	Micron	1/2.5"	1.75	3488	2616	7.630	5P	6.18	7.90±0.1	62.2	200/200/160	M7.0xP0.35	22.0	51.7	0.96	1.61	1.71	7.8	0.3t	07/11/01	E/S	
5Mega	KV44A428M65B	Micron	1/3.2"	1.75	2592	1944	5.700	1aG3P	4.40	5.10±0.1	66.3	200/160/160	M6.5xP0.35	25.02	47	-0.20	1.27	1.17	6.0	0.3t	07/11/03	E/S	
3.0 MEGA	KL34A328M6B	LSI	1/4"	1.75	2048	1536	4.480	1aG2P	3.5	4.40±0.1	64.8	200/160/125	M6.0xP0.35	22.14	53.6	0.140	1.27	1.44	4.8	0.3t	07/01/23	E/S	Closed
	KL46S428M65B	MT9T012	1/3.2"	2.20	2048	1536	5.632	1G3P	4.55	5.65±0.2	62.9	200/160/125	M6.5xP0.35	19.61	51.9	-0.002	1.69	1.93	6.0	0.3t	06/08/28	E/S	Closed
	KL46T428M7B	MT9T012	1/3.2"	2.20	2048	1536	5.632	1G3P	4.55	5.65±0.2	62.9	200/160/125	M7.0xP0.35	19.61	51.9	-0.002	1.69	1.93	6.0	0.3t	06/12/20	M/P	
	KL47T428M7B/8B	MT9T012	1/3.2"	2.20	2048	1536	5.632	1G3P	4.65	6.22±0.2	63.5	200/160/125	M8.0xP0.35	21.60	52.0	-0.25	1.62	2.21	6.0	0.4t	05/09/28	P/P	
	KL38A428M6A	Micron	1/4"	1.75	2048	1536	4.480	4P	3.83	4.95±0.1	60.3	200/160/125	M6.0xP0.35	23.73	55.1	-0.29	1.05	1.29	4.8	0.3t	07/07/06	E/S	Closed
	KL36D528M6A	Micron	1/4"	1.75	2048	1536	4.480	4P	3.63	4.30±0.1	62.9	200/160/125	M6.0xP0.35	23.78	51.4	-0.23	0.42	0.79	4.8	0.3t	07/08/23	E/S	
	KL36C428M6A	Micron	1/4"	1.75	2048	1536	4.480	4P	3.60	4.95±0.1	63.1	200/160/125	M6.0xP0.35	23.5	51.6	-0.32	1.05	1.32	4.8	0.3t	07/07/23	E/S	
KL36C428M6B	Micron	1/4"	1.75	2048	1536	4.480	4P	3.60	4.40±0.1	63.1	200/160/125	M6.0xP0.35	23.5	51.6	-0.32	1.05	1.32	4.8	0.3t	07/07/23	E/S	Closed	
2.0 MEGA	KL34M328M65B 65C/6B	LSI	1/4"	2.25	1600	1200	4.500	3P	3.41	4.00±0.1	66.3	160/125/125	M6.5(6.0)xP0.35	23.1	51.9	-0.17	1.10	1.33	4.88	0.3t	06/08/28	M/P	Closed
		Toshiba	1/4"	2.20	1600	1200	4.400	3P	3.41	4.00±0.1	65.2	160/125/125	M6.5(6.0)xP0.35	23.3	53.5	-0.23	1.10	1.33	4.88	0.3t	06/08/28	M/P	Closed
	KL35J328M6B	LSI	1/4"	2.25	1600	1200	4.500	3P	3.61	4.30±0.1	63.2	160/125/125	M6.5xP0.35	21.28	57.2	0.07	1.07	1.24	4.8	0.3t	07/01/12	E/S	Closed
	KL46T428M65B/7B	MT9D011,111	1/3"	2.80	1600	1200	5.600	1G3P	4.68	5.71±0.2	62.6	160/125/125	M6.5xP0.35	19.74	52.2	0.01	1.51	1.69	5.9	0.3t	05/12/20	M/P	
	KL47T428M7B/8B	MT9D011,111	1/3"	2.80	1600	1200	5.600	1G3P	4.65	6.15±0.2	62.0	160/125/125	M8.0xP0.35	21.90	52.3	-0.25	1.65	2.21	6.0	0.4t	05/05/04	P/P	
	KV36D528M6A	Omnivision	1/4"	2.20	1600	1200	4.400	4P	3.57	4.70±0.1	63.6	160/125/125	M6.0xP0.35	25.48	50.0	-1.05	0.60	0.97	4.6	0.3t	07/03/30	E/S	
1.3 MEGA	KL29M328M5B	MagnaChip	1/5"	2.20	1280	1024	3.606	3P	2.94	3.60±0.1	62.1	160/125/100	M5.0xP0.35	24.62	57.2	-0.03	0.98	1.14	4.0	0.3t	06/10/31	P/P	Closed
	KL29M328M5C	LSI	1/5"	2.25	1280	1024	3.688	3P	2.94	3.50±0.1	63.3	160/125/100	M5.0xP0.35	24.3	55.9	-0.08	0.98	1.14	4.0	0.3t	06/10/31	M/P	Closed
		Omnivision	1/5"	2.25	1280	1024	3.688	3P	2.94	3.50±0.1	63.3	160/125/100	M5.0xP0.35	24.3	55.9	-0.08	0.98	1.14	4.0	0.3t	06/10/31	P/P	Closed
	KL28M328M5B	LSI	1/5"	2.25	1280	1024	3.688	3P	2.88	3.50±0.1	64.3	160/125/100	M5.0xP0.35	23.45	55.4	-0.20	0.98	1.15	4.0	0.3t	06/10/31	E/S	
		Omnivision	1/5"	2.25	1280	1024	3.688	3P	2.88	3.50±0.1	64.3	160/125/100	M5.0xP0.35	23.45	55.4	-0.20	0.98	1.15	4.0	0.3t	06/10/31	E/S	
	KV36A228M60B	Micron	1/4"	2.80	1280	1024	4.590	2P	3.58	3.98±0.1	62	160/125/100	M6.0xP0.35		51	-0.65	0.93	0.97		0.3t	06/11/01	E/S	
	KL34M328M65B/6B	LSI	1/4"	2.80	1280	1024	4.590	3P	3.41	4.00±0.2	67.4	160/125/100	M6.5(6.0)xP0.35	22.87	51.4	-0.11	1.05	1.33	4.88	0.3t	06/08/28	E/S	
	KL38M328M65B/7B	LSI	1/4"	2.80	1280	1024	4.590	3P	3.77	5.06±0.2	62.0	160/125/100	M6.5(7.0)xP0.35	21.50	55.5	0.30	1.11	1.61	5.0	0.3t	05/07/28	M/P	Closed
		Micron	1/4"	2.80	1280	1024	4.590	3P	3.77	5.06±0.2	62.0	160/125/100	M6.5(7.0)xP0.35	21.50	55.5	0.30	1.11	1.61	5.0	0.3t	05/07/28	M/P	
	KL36K328M65B /65C	LSI	1/4"	2.80	1280	1024	4.590	3P	3.65	4.36±0.2	63.7	160/125/100	M6.5xP0.35	22.10	56.5	-0.34	1.16	1.28	4.8	0.3t	06/05/08	M/P	Closed
		Micron	1/4"	2.80	1280	1024	4.590	3P	3.65	4.36±0.2	63.7	160/125/100	M6.5xP0.35	22.10	56.5	-0.34	1.16	1.28	4.8	0.3t	06/05/08	M/P	
	KL36K328M65D	MagnaChip	1/4"	2.80	1280	1024	4.590	3P	3.65	4.36±0.2	63.7	160/125/100	M6.0xP0.35	22.10	56.5	-0.34	1.16	1.28	4.8	0.3t	06/08/28	M/P	
		Siliconfile	1/4"	2.80	1280	1024	4.590	3P	3.65	4.36±0.2	63.7	160/125/100	M6.0xP0.35	22.10	56.5	-0.34	1.16	1.28	4.8	0.3t	06/08/28	M/P	
	KL38L328M65B	Siliconfile	1/3.8"	3.00	1280	1024	4.918	3P	3.75	4.30±0.1	65.9	160/125/100	M6.5xP0.35	28.09	52.3	0.05	1.47	1.69	5.2	0.3t	06/11/01	W/S	Closed
KL42M328M7B	HV7161SP	1/3.5"	3.20	1280	960	5.120	3P	4.24	5.59±0.2	61.0	160/125/100	M7.0xP0.35	20.60	59.5	-0.20	1.29	1.71	5.5	0.4t	05/10/10	M/P	Closed	
KL42M428M7B	OV9650,53,55	1/3.5"	3.18	1280	1024	5.213	3P	4.24	5.77±0.2	62.0	160/125/100	M7.0xP0.35	21.30	52.4	-0.30	0.92	1.26	5.5	0.4t(Y)	05/10/10	M/P		
KL31A228M5B	LSI	1/5"	2.25	1280	1024	3.688	2P	3.17	3.55±0.1	60.5	160/125/80	M5.0xP0.35	23.17	52.8	-0.98	-	0.72	4.0	0.145t	06/11/06	E/S	Closed	
VGA	KL20A228M42B	Toshiba	1/7"	3.30	640	480	2.640	2P	2.04	2.50±0.1	65.2	160/100/80	M4.2xP0.3	29.54	50.1	-0.91	0.85	0.90	2.84	0.3t	06/11/01	E/S	
	KL16A132M4B/42B	LSI	1/10"	2.25	640	480	1.800	1P	1.59	2.54±0.1	63.2	160/100/80	M4.0(4.2)xP0.3	21.78	74.9	-4.51	1.30	1.80	2.2	0.09t	06/11/01	W/S	Closed
	KL19N228M42B/5B	MagnaChip	1/7.4"	3.00	640	480	2.400	2P	1.88	2.42±0.1	65.0	160/100/80	M4.2(5.0)xP0.3	28.34	51.8	-1.04	0.87	0.92	2.7	0.3t	06/11/01	M/P	
	KL20N228M45B/42B	MagnaChip	1/7"	3.20	640	480	2.560	2P	2.07	2.45±0.2	61.9	160/100/80	M4.5(4.2)xP0.3	30.25	50.7	-0.58	1.00	1.08	2.7	0.3t	06/07/25	M/P	
	KL20N228M45B/42B	MagnaChip	1/7.4"	3.00	640	480	2.400	2P	2.07	2.45±0.2	58.5	160/100/80	M4.5(4.2)xP0.3	29.3	56.7	-0.28	1.00	1.08	2.7	0.3t	06/07/25	M/P	
	KL20N228M50C	MagnaChip	1/7"	3.20	640	480	2.560	2P	2.07	2.51±0.2	62.6	160/100/80	M5.0xP0.35	30.9	52.9	-1.12	1.25	2.06	2.7	0.3t	06/07/25	M/P	
	KV25A328M50A	OV7670	1/6"	3.60	640	480	2.880	2P	2.48	3.16±0.1	60.1	160/100/80	M5.0xP0.35	26.14	57.1	-0.79	0.71	0.74	3.1	0.3t(Y)	06/11/01	M/P	Closed
	KL27N228M45B	Micron	1/6"	3.60	640	480	2.880	2P	2.73	3.30±0.2	54.7	160/100/80	M4.5xP0.35	24.35	61.1	-0.67	1.10	1.20	3.4	0.3t	06/03/13	M/P	
	KL27N228M5C	LSI	1/5.8"	4.00	640	480	3.200	2P	2.73	3.42±0.2	60.0	160/100/80	M5.0xP0.35	25.47	53.5	-1.12	1.03	1.20	3.4	0.3t	06/03/13	M/P	Closed
	KL27N328M50B	OV7670	1/6"	3.60	640	480	2.880	2P	2.73	3.46±0.2	54.5	160/100/80	M5.0xP0.35	24.29	61.3	0.60	-	1.20	3.4	0.3t	07/06/21	M/P	
CIF	KL12A132M40A	Pixel Plus	1/11"	3.60	352	288	1.637	1P	1.21	2.20±0.2	66.0	160/100/63	M4.0xP0.25	28.37	52.1	-0.77	0.63	1.10	1.9	0.3t	07/10/26	E/S	