

	ASI034MC	ASI120MC	ASI120MM	ASI120MINI	ASI120MC-S	ASI120MM-S	ASI224MC	ASI185MC
Sensor	ASX340CS	AR0130CS	AR0130CS	ARO130CS	AR0130CS	MT9M034	IMX224	IMX185
Resolution	0.37MP	1.2MP	1.2MP	1.2MP	1.2MP	1.2MP	1.2MP	2.3MP
Chip Dimensions	728 x 512	1280 x 960	1280 x 960	1280x960	1280 x 960	1280 x 960	1304 x 976	1944 x 1224
Pixel Size	5.6µm	3.75µm	3.75µm	3.75µm	3.75µm	3.75µm	3.75µm	3.75µm
Chip Dimensions	4.1 x 2.9mm	4.8 x 3.6mm	4.8 x 3.6mm	4.8x3.6mm	4.8 x 3.6mm	4.8 x 3.6mm	4.9 x 3.7mm	7.3 x 4.6mm
Diagonal Measurement	4.98mm	6.0mm	6.0mm	6.0mm	6.0mm	6.0mm	6.1mm	8.6mm
Peak QE	60%	75%	75%	80%	75%	75%	TBD	TBD
Read Noise	N/A	4.0 - 6.0e	4.0 - 6.0e	4.0 - 6.0e	4.0 - 6.0e	4.0 - 6.0e	0.8 - 3.2e	1.5 - 3.2e
Full Well Capacity	N/A	13,000e	13,000e	13000e	13,000e	13,000e	19,200e	22,800e
Frame Rate at max resolution	95 FPS	35 FPS	35 FPS	35FPS	60 FPS	60 FPS	150 FPS	108 FPS
ADC	10 bit	12 bit	12 bit	12bit	12 bit	12 bit	12 bit	12 bit
Protective Window	IR	IR	AR	AR	IR	AR	AR	AR
Back Focus	12.5mm	12.5mm	12.5mm	8.5mm	12.5mm	12.5mm	12.5mm	

ASI178MC	ASI178MM	ASI290MC	ASI290MM	ASI290MINI	ASI174MC	ASI174MM	ASI174MINI
IMX178	IMX178	IMX291	IMX290	IMX290	IMX174	IMX174	SONY IMX174
6.4MP	6.4MP	2.1MP	2.1MP	2.1MP	2.3MP	2.3MP	2.3MP
3096 x 2080	3096 x 2080	1936 x 1096	1936 x 1096	1936X1096	1936 x 1216	1936 x 1216	1936X1216
2.4µm	2.4µm	2.9µm	2.9µm		5.86µm	5.86µm	
7.4 x 5.0mm	7.4 x 5.0mm	5.6 x 3.2mm	5.6 x 3.2mm	5.6X3.2mm	11.3 x 7.1mm	11.3 x 7.1mm	11.3X7.1mm
8.95mm	8.95mm	6.5mm	6.5mm	6.5mm	13.4mm	13.4mm	13.4mm
TBD	TBD	TBD	TBD	80%	78%	78%	77%
1.4 - 2.2e	1.4 - 2.2e	1.0 - 3.2e	1.0 - 3.2e	1.0e	3.5 - 6e	3.5 - 6e	3.5e
15,000e	15,000e	14,600e	14,600e	14,600e	32,000e	32,000e	32,000e
60 FPS	60 FPS	170 FPS (10bit)	170 FPS (10bit)	20.4FPS	164 FPS (10bit)	164 FPS (10bit)	18.4FPS
14 bit	14 bit	12 bit	12 bit	12bit	12 bit	12 bit	12bit
IR	AR	AR	AR	AR	AR	AR	AR
12.5mm non-cooled	12.5mm non-cooled	12.5mm	12.5mm	8.5mm	6.5mm	6.5mm	8.5mm

6.5mm cooled

6.5mm cooled

ASI1600MC	ASI1600MM	ASI385MC	ASI294MC	ASI183MM	ASI183MC	ASI071MC-P	ASI094MC-P	ASI128MC-P
Panasonic MN34230	Panasonic MN34230	IMX385	IMX294	IMX183	IMX183	SONY IMX071	IMX094	IMX128
16MP	16MP	21MP	11.7MP	20MP	20MP	16MP	36MP	36MP
4656 x 3520	4656 x 3520	1936X1096	4144X2822	5496X3672	5496X3672	4944X3284	7376X4928	6032X4032
3.8µm	3.8µm	3.75µm	4.63µm	2.4µm	2.4µm	4.78µm	4.88µm	5.97µm
17.7 x 13.4mm	17.7 x 13.4mm	7.3X4.1mm	19.1X13.0mm	13.2X8.8mm	13.2X8.8mm	23.6mmX15.6mm	36X24mm	36X24mm
22.2mm	22.2mm	8.35mm	21.6mm	15.9mm	15.9mm	28.4mm	43.3mm	43.3mm
TBD	TBD	TBD	TBD	84%	84%	TBD	56%	53%
1.2 - 3.6e	1.2 - 3.6e	0.7-2.8e	1.2-7.3e	1.6e	1.6e	2.3e @24db gain	2.1e	2.5e
20,000e	20,000e	18700e	63700e	15000e	15000e	46,000e	52000e	76000e
23FPS	23FPS	120FPS	16FPS	19FPS	19FPS	10FPS	5FPS	10FPS
12bit	12bit	12bit	14bit	12bit	12bit	14bit	14bit	14bit
AR	AR	AR	AR	AR	AR	AR	AR	AR
6.5mm	6.5mm	12.5mm	6.5mm	6.5mm	6.5mm	17.5mm	17.5mm	17.5mm