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Sony Pregius Sensor	Active Resolution	Sensor format	Resolution (megapixels)	Frame Rate	Pixel size (um)	Pixel Well depth (e-)	Dynamic Range (db)	Dark Current noise (e-)	Ideal Lens resolution (line pairs / mm)	Comment
IMX249	1920 x 1200	1/1.2" (13.3mm diag)	2.3	41 (USB)	5.86	33.1K	73	7.1	85 lp/mm	Excellent Dynamic range. Slower / Lower cost version of IMX174
IMX174	1920 x 1200	1/1.2" (13.3mm diag)	2.3	161 (USB) 49 (GigE)	5.86	32.5K	73	6.8	86 lp/mm	Excellent Dynamic range Faster versino of IMX174
IMX265	2048 x 1536	1/1.8" (8.8mm diag)	3.1	57 (USB) 35 (GigE)	3.45	9.8K	71	2.9	144 lp/mm	Slower / Lower cost version of IMX252
IMX252	2048 x 1536	1/1.8" (8.8mm diag)	3.1	134 (USB) 35 (GigE)	3.45	10.5K	71	2.3	144 lp/mm	Faster version of IMX265
IMX264	2448 x 2048	2/3" (11.0mm diag)	5	35 (USB) 23 (GigE)	3.45	9.8K	71	2.3	144 lp/mm	Great replacement for ICX625 CCD Sensors Slower / Lower cost version of IMX250
IMX250	2448 x 2048	2/3" (11.0mm diag)	5	77 (USB) 23 (GigE)	3.45	10.4K	71	2.3	144 lp/mm	Great replacement for ICX625 CCD Sensors Faster version of IMX264
IMX304	4112 x 3008	1.1"	12.4	9.7 (GigE)	3.45	10.4K	71	24	144 lp/mm	Slower / Lower cost version of IMX253 (23 fps natively on sensor)
IMX253	4112 x 3012	1.1"	12.4	9.7 (Gige)	3.45	10.4K	71	2.4	144 lp/mm	Faster version of IMX304 (65 fps natively on sensor)
IMX267	4112 x 2176	1.0"	8.95	13.4 (GigE)	3.45	10.4K	71	2.4	144 lp/mm	Slower / Lower cost version of IMX267
IMX255	4112 x 2176	1.0"	8.95	14.3 (GigE)	3.45	10.4K	71	2.4	144 lp/mm	Faster version of IMX267
IMX273	1456 x 1008	1/2.9" (6.3mm dig)	1.6	75 (GigE)	3.45	11.4K	71	2.4	144 lp/mm	Great replacement for ICX445 (close in proximity sensor size)
Note: 1) Camera values are typical and vary slightly per camera manufacturer										
ON-SEMI Sensor	Active Resolution	Sensor format	Resolution (megapixels)	Frame Rate (fps)	Pixel size (um)	Pixel Well depth (e-)	Dynamic Range (db)	Dark Current noise (e-)	Ideal Lens resolution (line pairs / mm)	Comment
Python 300	640 x 480	1/4"	0.3	550 (USB3) 392 (GigE)	4.8	10000	55	9.2	104 lp/mm	High Frame rate, low cost; Can use 1/2" format lenses
Python 500	800 x 600	1/3.6"	0.5	575 (USB3) 225 (GigE)	4.8	10000	55	9.2	104 lp/mm	High Frame rate, low cost; Can use 1/2" format lenses
Python 1300	1280 x 1024	1/2"	1.3	224 (USB3) 93 (GigE)	4.8	10000	55	9.2	104 lp/mm	High frame rate, lower noise, higher sensitivity than e2v EV76C560 and @ 1/2" format
Python 2000	1920 x 1200	2/3"	2	165 (USB3) 51 (GigE)	4.8	10000	55	10.7	104 lp/mm	High frame rate, low cost
Python 5000	2592 x 2048	1"	5	72 (USB3) 22 (GigE)	4.8	10000	55	10.7	104 lp/mm	High Frame rate, 5MP for < \$1K
Python 16K	4096 x 4096	APS-H	16	7 (GigE)	4.5	12000	59	< 14 e-	111 lp/mm	Lowest cost global shutter sensor on market for 16MP
Python 25K	5120 x 5120	APS-H	25	4.5 (GigE)	4.5	12000	59	< 14 e-	111 lp/mm	Lowest cost global shutter sensor on market for 16MP
Python 12K	4096 x 3072	4/3"	12	9.6 (GigE)	4.5	12000	59	< 14 e-	111 lp/mm	Lowest cost global shutter sensor on market for 16MP
Note: 1) Camera values are typical and vary slightly per camera manufacturer										
Sony Starvis Sensor	Active Resolution	Sensor format	Resolution (megapixels)	Frame Rate	Pixel size (um)	Pixel Well depth (e-)	Dynamic Range (db)	Dark Current noise (e-)	Ideal Lens resolution (line pairs / mm)	Comment
IMX178 Starvis	3088 x 2076	1/1.8"	6.4	18 (USB3) 60 (GigE)	2.4	14225	82.6	< 1 e-	208 lp/mm	Rolling shutter, Excellent low light performance
IMX290 Starvis	1936 x 1096	1/2.8"	2.1	135 (USB3)	2.9	11120	66	5 e-	172 lp/mm	Rolling shutter, Excellent low light performance
Note: 1) Camera values are typical and vary slightly per camera manufacturer										