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GP-261105-ZSM-V1.0

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Advanced CMOS Image Sensors

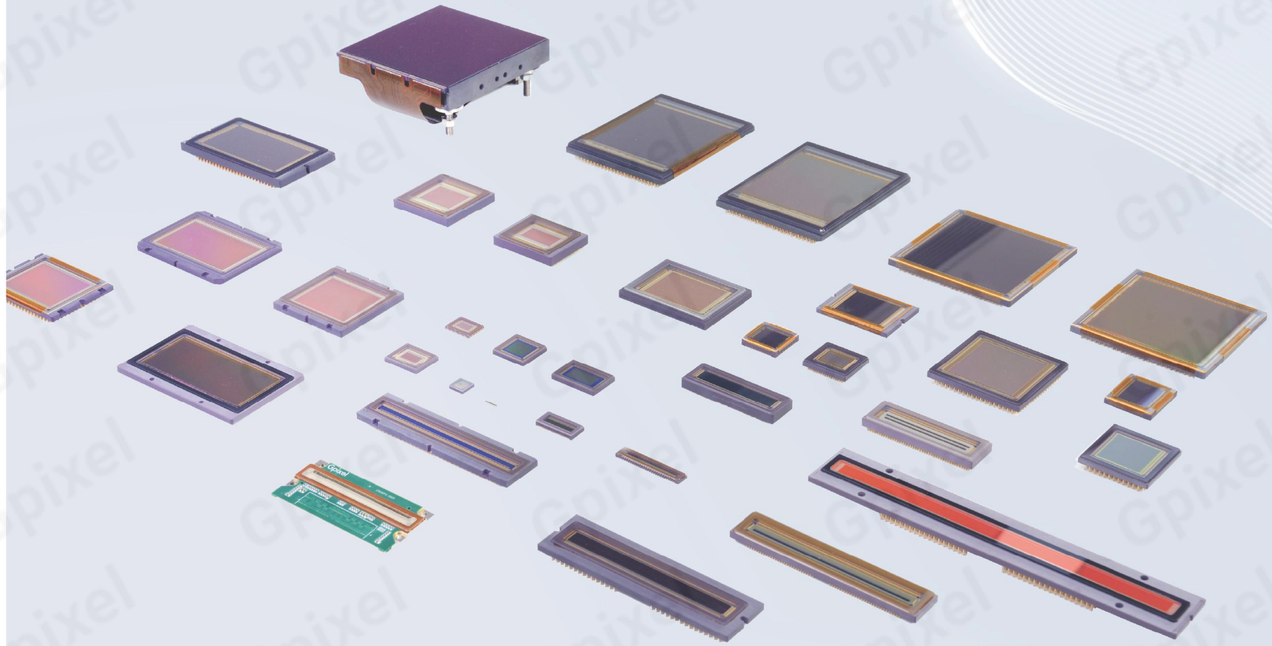


Image Sensors Product Guide

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Product	Resolution	Pixel Size (μm²)	Optical Format	Shutter Type	PLS (dB)	Peak QE	FWC Max (ke⁻)	Temporal Noise Min (e⁻)	Dynamic Range Max (dB)	ADC (bit)	Max Frame Rate (fps)
GMAX Series											
GMAX4002	2048 x 1200	4.0 x 4.0	1/1.7" 9.5 mm	Global	- 92.0	74% (550 nm)	11.6	2.6	68	12/10	344
GMAX3405	2448 x 2048	3.4 x 3.4	2/3" 10.9 mm	Global	- 88.0	75% (540 nm)	8.7	1.6	66.9	12/10	264
GMAX2505	2600 x 2160	2.5 x 2.5	1/2" 8.5 mm	Global	- 80.0	66% (500 nm)	6.7	1.8	65.5	12/10	290
GMAX2509	4200 x 2160	2.5 x 2.5	2/3" 11.8 mm	Global	- 80.0	66% (500 nm)	6.7	1.8	65.5	12/10	290
GMAX3809	4096 x 2160	3.8 x 3.8	1.1" 17.6 mm	Global	- 92.0	62% (540 nm)	11.2	3.3	70.7	12	54
GMAX3412	4096 x 3072	3.4 x 3.4	1.1" 17.5 mm	Global	- 88.0	75% (540 nm)	9	1.8	67.9	12/10	150
GMAX4416	4096 x 4096	4.4 x 4.4	1.6" 25.5 mm	Global	- 91.0	71% (530 nm)	15	3	79.9	12	80
GMAX2518	4508 x 4096	2.5 x 2.5	1" 15.2 mm	Global	- 80.0	64% (520 nm)	8	1.7	66.9	12/10	139
GMAX0505	5120 x 5120	2.5 x 2.5	1.1" 18.1 mm	Global	- 80.0	66% (500 nm)	6.5	1.6	65.8	12/10	150
GMAX4651	8424 x 6032	4.6 x 4.6	Full Frame 47.7 mm	Global	- 92.0	67% (510 nm)	18	7.6	65.5	12	30
GMAX3265	9344 x 7000	3.2 x 3.2	APS-H 37.4 mm	Global	- 83.5	65% (500 nm)	10.6	1.9	66	12/10	71
GMAX32103	11276 x 9200	3.2 x 3.2	Medium 46.6 mm	Global	-83.5	67% (500 nm)	9	4.3	66.4	12	24
GMAX32152	16556 x 9200	3.2 x 3.2	Medium 60.6 mm	Global	-83.5	67% (500 nm)	9.3	4	67.3	12	16
GMAX15271BSI	19376 x 14000	1.5 x 1.5	APS-H 35.9 mm	Rolling	-	77% (520 nm)	5.4	1.1	73.8	14/12	8.5
GMAX2424BSI	6016 x 4096	2.4 x 2.4	1.1" 17.5 mm	Rolling	-	92% (510 nm)	12.1	1.3	73	12/10	60

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GLUX Series											
GLUX9701BSI	1280 x 1024	9.76 x 9.76	1" 16.0 mm	Rolling	0.08 (-28°C)	89% (610 nm)	48	0.9	89.5	-	30

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GL Series										
GLR1202BSI-L	2000 x 1	12.5 x 1000	25 mm	Global	91 % (440 nm)	2000	215	69	12	350
GLR1002BSI-S	2411 x 1	10.0 x 200	24.11 mm	Global	91 % (630 nm)	164	20.1	77.4	14/12	250
GLR1205BSI-S	512 x 1	12.5 x 250	6.4 mm	Global	95%	-	0.58 mV rms	4224:1	-	9.43
GLR1402BSI-M	2048 x 1	14.0 x 350	28.7 mm	Global	91% (420 nm)	176	3.1	95.1	14/12	29
GL1402	2048 x 1 2048 x 3	14.0 x 14.0	28.9 mm	Global	69% (560 nm)	28.7	9.1	69.9	12	81
GL3504	4096 x 2 2048 x 4	3.5 x 3.5 7.0 x 7.0	14.3 mm	Global	72% (570 nm)	9.4	4.9	65.8	12/8	172.7
GL0402	4096 x 2	7.0 x 7.0	28.7 mm	Global	76% (570 nm)	25	5.2	65.6	12	200
GL7004	4096 x 4	7.0 x 7.0	28.7 mm	Global	75% (560 nm)	10.5	4.3	61.5	10	250
GL0816	8322 x 16	5.0 x 5.0	41.6 mm	Global	70% (600 nm)	17	13	62	11/10	200
GLT5009BSI	9072 x (256 + 32)	5.0 x 5.0	45.4 mm	TDI	82% (550 nm)	19.2	7	68.7	12/10	608
GLT5008BSI	P1: 8208 x 256 P2: 8208 x 32	5.0 x 5.0	41.0 mm	TDI	66% (266 nm) 94% (460 nm)	17.8	7.4	67.6	12/10	1000
GLT5016BSI	P1: 16416 x 256 P2: 16416 x 32	5.0 x 5.0	82.0 mm	TDI	UV : 71% (266 nm) VIS : 92% (436 nm)	16.3	7.5	66.1	12	500
GL7008	8192 x 4	7.0 x 7.0	57.3 mm	Global	73% (530 nm)	10	6.8	63.3	12	200
GL3516	16384 x 2	3.5 x 3.5	57.3 mm	Global	57% (560 nm)	8.4	10.6	58	10	120

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GSPRINT Series											
GSPRINT6502BSI	2048 x 1152	6.5 x 6.5	1" 15.3 mm	Global	- 80.0	86% (440 nm)	10.1	21.4	53.4	10	2941
GSPRINT4502	2048 x 1216	4.5 x 4.5	2/3" 10.7 mm	Global	- 84.6	66% (515 nm)	30	3.8	68.2	12/10/8	3462
GSPRINT5514BSI	4608 x 3072	5.5 x 5.5	APS-C 30.5 mm	Global	- 80.0	83 % (510 mm)	15	1.8	78.2	12/10	670
GSPRINT4510	4608 x 2176	4.5 x 4.5	MFT 20.8 mm	Global	- 86.0	67% (550 nm)	30	4	68	12/10/8	1920
GSPRINT4521	5120 x 4096	4.5 x 4.5	APS-C 29.5 mm	Global	-86.0	63% (500 nm)	32	3.5	68	12/10/8	1000
GSPRINT2001BSI	1280 x 1024	20 x 20	2.05" 32.8 mm	Global	-120.0	87% (440 nm)	12	19	56	10	6400

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GSENSE Series											
GSENSE6504BSI	2048 x 2048	6.5 x 6.5	1.2" 18.8 mm	Rolling	0.009 (-42°C)	95% (450 nm)	53	0.5	98.7	12	291
GSENSE2020BSI	2048 x 2048	6.5 x 6.5	1.2" 18.8 mm	Rolling	0.07 (-30°C)	95% (560 nm)	55	1.2	90.5	12/11	74
GSENSE4040BSI	4096 x 4096	9.0 x 9.0	3.3" 52.1 mm	Rolling	0.04 (-40°C)	90% (600 nm)	39.2	2.3	84.6	12	24
GSENSE1517BSI	4116 x 4100	15.0 x 15.0	5.45" 87.1 mm	Rolling	0.008 (-70°C)	92% (450 nm)	70	1.2	95.3	16	4
GSENSE6060BSI	6144 x 6144	10.0 x 10.0	5.4" 86.9 mm	Rolling	0.04 (-40°C)	95% (580 nm)	95	3	90	14/12	26
GSENSE3243BSI	8192 x 5232	3.2 x 3.2	1.2" 31.1 mm	Rolling	7.8 (40°C)	80% (550 nm)	85	2	83	14	100
GSENSE6510BSI	3200 x 3200	6.5 x 6.5	1.9" 29.4 mm	Rolling	0.2 (-10°C)	95% (610 nm)	21	0.7	78.8	12/11/8	500
GSENSE400BSI	2048 x 2048	11.0 x 11.0	2" 31.9 mm	Rolling	0.27 (-40°C)	95% (570 nm)	91	1.6	95	12	48
GSENSE6060	6144 x 6144	10.0 x 10.0	5.4" 86.9 mm	Rolling	0.01 (-70°C)	72% (550 nm)	133	4.1	89	14/12	44
GSENSE1081BSI	8900 x 9120	10.0 x 10.0	7.96" 127.4 mm	Rolling	0.00373 (-70°C)	97% (610 nm)	90.7	5.4	84.5	16/15	0.9
GSENSE64105BSI	10240 × 10240	6.4 x 6.4	5.79" 92.7 mm	Rolling	6.28 (20°C)	75% (550 nm)	110	1.3	98.8	13/12	1.3
GSENSE9016BSI	4096 × 4096	9.0 x 9.0	3.3" 36.8 mm	Rolling	0.04 (-30°C)	95% (450 nm)	118	0.7	104	14/12	44

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GCINE Series											
GCINE3243	8192 x 5232	3.2 x 3.2	APS-C 31.1 mm	Rolling DSC	50	80% (550 nm)	96	2.5	81	14	120
GCINE4349	8192 x 6000	4.3 x 4.3	Full Frame 43.7 mm	Rolling DSC	52.1	85% (500 nm)	152	1.9	86.4	16	240

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GTOF Series											
GTOF0503	640 x 480	5.0 x 5.0	1/4" 4.0 mm	Global	40.0	31% (850 nm) 14% (940 nm)	9	8.2	60.8	11	60

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GXS Series										
GXS1508 GXSM1508	400 x 400	1.5 x 1.5	1/19" 0.8 mm	Rolling	55% (515 nm)	7	6.1	61.2	-	30

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GIR Series										
GIR2505	512 x 2	25.0 x 25.0	12.8 mm	Global	75% (1550 nm)	85	116	70	12	40.4
GIR1201	1024 x 1	12.5 x 12.5	12.8 mm	Global	75% (1550 nm)	120	88	72	12	71.9