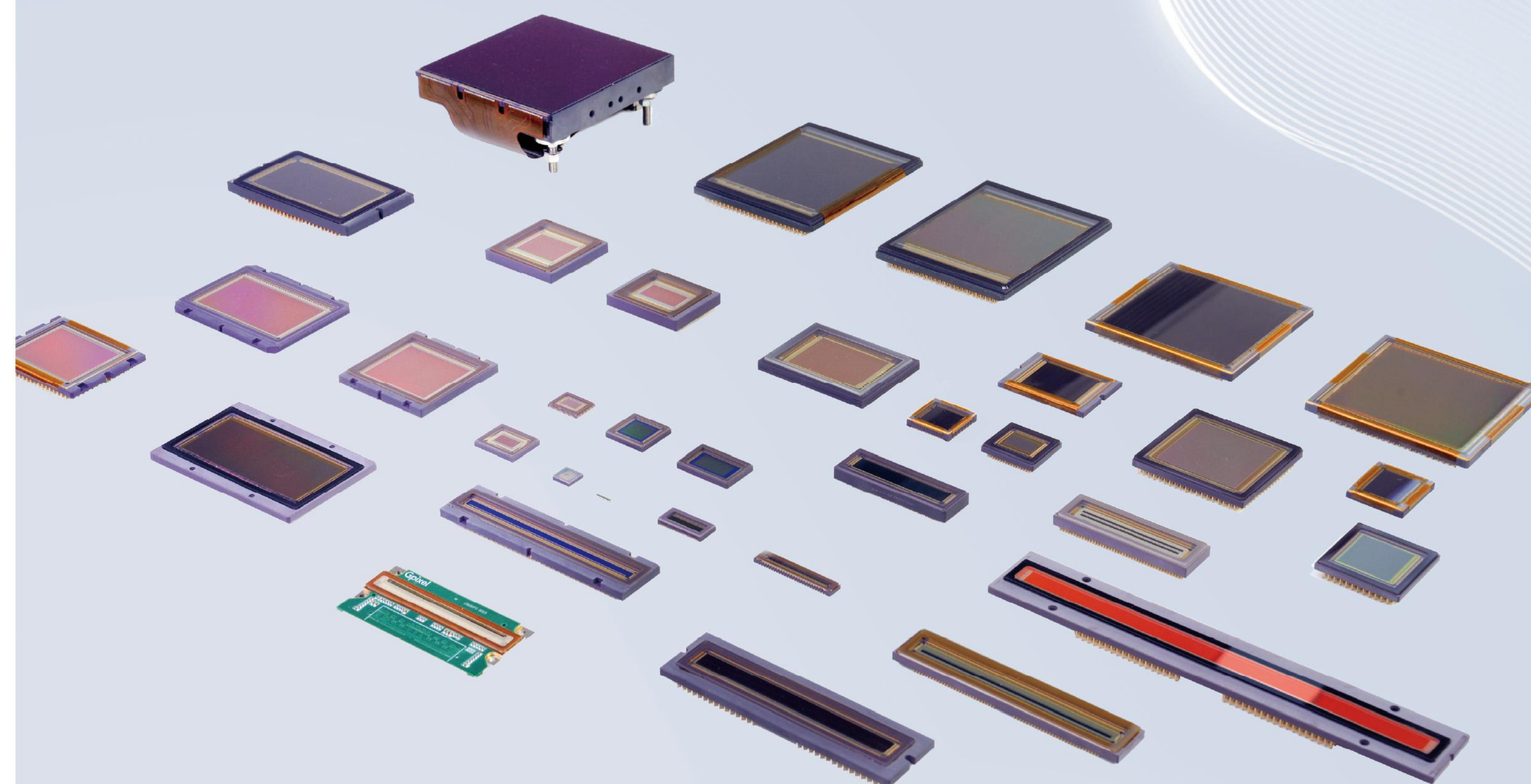


Advanced CMOS Image Sensors



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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)
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 nm)	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
Product	Resolution	Pixel Size (μm²)	Optical Format	Shutter Type	Dark Current (e⁻/s/pixel)	Peak QE	FWC Max (ke⁻)	Temporal Noise Min (e⁻)	Dynamic Range Max (dB)	ADC (bit)	Max Frame Rate (fps)
GSENSE Series											
GSENSE6504BSI	2048 x 2048	6.5 x 6.5	1.2" 18.8 mm	Rolling	0.004 (-30°C)	95% (450 nm)	13.4	0.5	83.4	12	300
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
Product	Resolution	Pixel Size (μm²)	Optical Format	Shutter Type	Dark Current (e⁻/s/pixel)	Peak QE	FWC Max (ke⁻)	Temporal Noise Min (e⁻)	Dynamic Range Max (dB)	ADC (bit)	Max Frame Rate (fps)
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
GLUX1605BSI	800 x 600	16.0 x 16.0	1" 16.0 mm	Rolling	0.22 (-33°C)	91% (550 nm)	73.4	0.9	93	12	60
Product	Resolution	Pixel Size (μm²)	Optical Format	Shutter Type	Max. SNR (dB)	Peak QE	FWC Max (ke⁻)	Temporal Noise Min (e⁻)	Dynamic Range Max (dB)	ADC (bit)	Max Frame Rate (fps)
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
Product	Resolution	Pixel Size (μm²)	Optical Format	Shutter Type	Peak QE		FWC Max (ke⁻)	Temporal Noise Min (e⁻)	Dynamic Range Max (dB)	ADC (bit)	Max Frame Rate (fps)
GXS Series											
GXS1508 GXSM1508	400 x 400	1.5 x 1.5	1/19" 0.8 mm	Rolling	55% (515 nm)		4	6.1	54.9	-	30
Product	Resolution	Pixel Size (μm²)	Optical Format	Shutter Type	Peak QE		FWC Max (ke⁻)	Temporal Noise Min (e⁻)	Dynamic Range Max (dB)	ADC (bit)	Max Line Rate (kHz)
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
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