

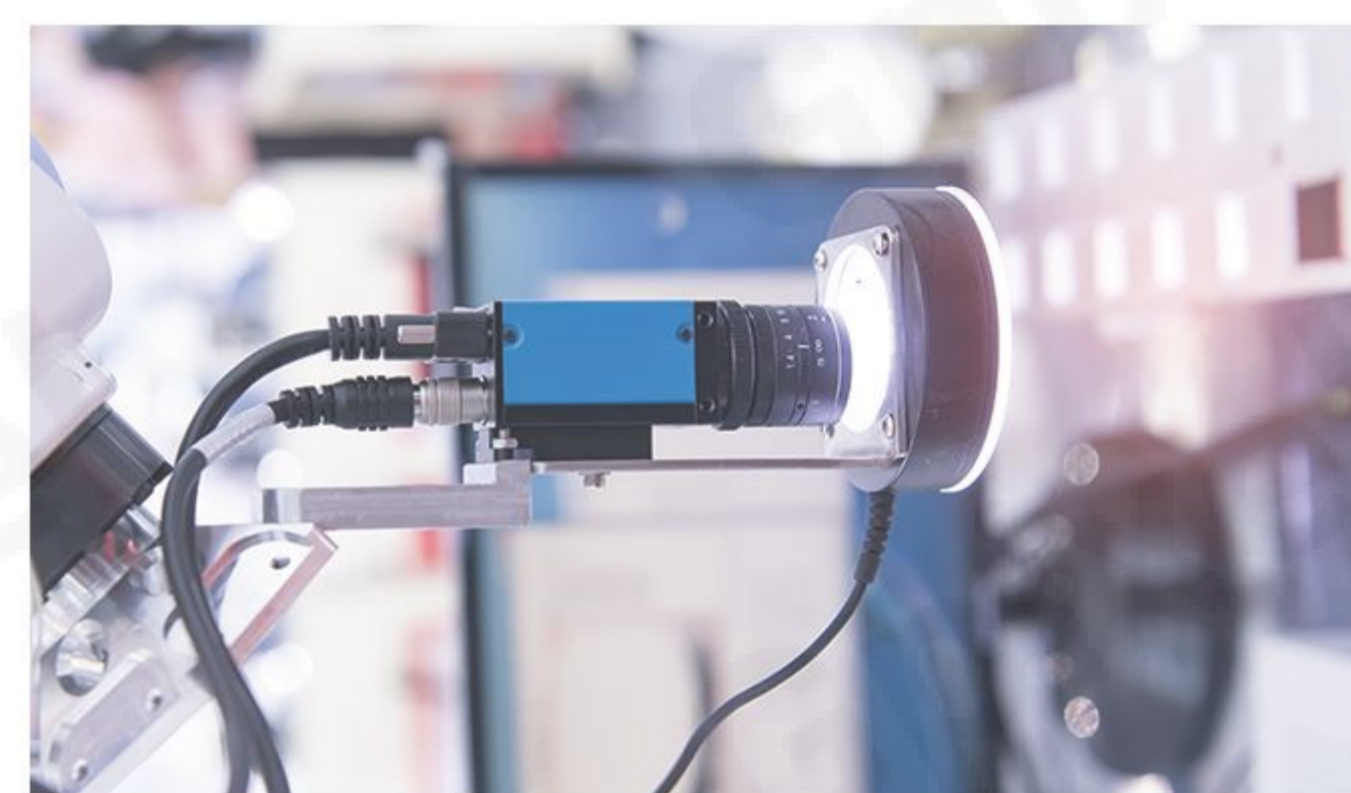
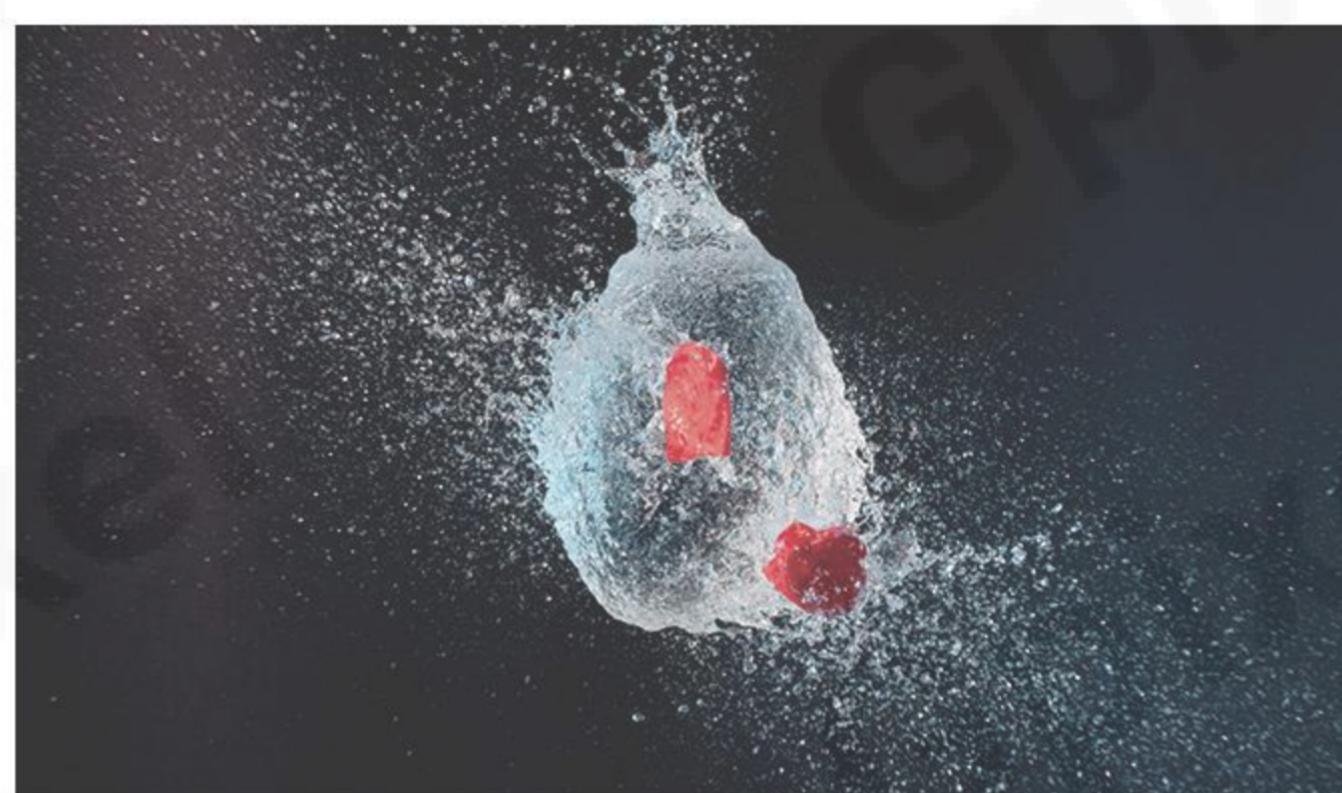
GSPRINT Series

HIGH SPEED IMAGE SENSORS

GSPRINT

The GSPRINT is our high-speed global shutter product family, including the 2MP, 10MP and 21MP FSI sensors, as well as the most recent 2MP and 14MP BSI sensors.

The GSPRINT technology will be used to expand the sizes and resolutions available in the family over the next year.



Product Family Features

- ✓ High Frame Rate
- ✓ Low noise Global Shutter
- ✓ HDR read out
- ✓ On-chip OB correction
- ✓ Flexible channel multiplexing
- ✓ On-chip 2x2 binning and ROI read out
- ✓ One-Time Programmable memory (OTP)
- ✓ On-chip Sequencer and SPI control

Applications

- ✓ 3D laser profiling
- ✓ 3D AOI
- ✓ High Speed Inspections
- ✓ Video broadcasting
- ✓ Scientific Imaging

CMOS Image Sensors	Resolution	Pixel Size (μm ²)	Optical Format	Shutter Type	PLS (dB)	Peak QE	FWC Max(ke ⁻)	Temporal Noise Min (e ⁻)	DR Max (dB)	ADC (bit)	Max Frame Rate(fps)
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
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
GSPRINT5514BSI 	4608 x 3072	5.5 x 5.5	APS-C 30.5 mm	Global	- 80.0	83% (510 nm)	15	1.84	78.2	12/10	670
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	87% (440 nm)	12	19	56	10	6400

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