

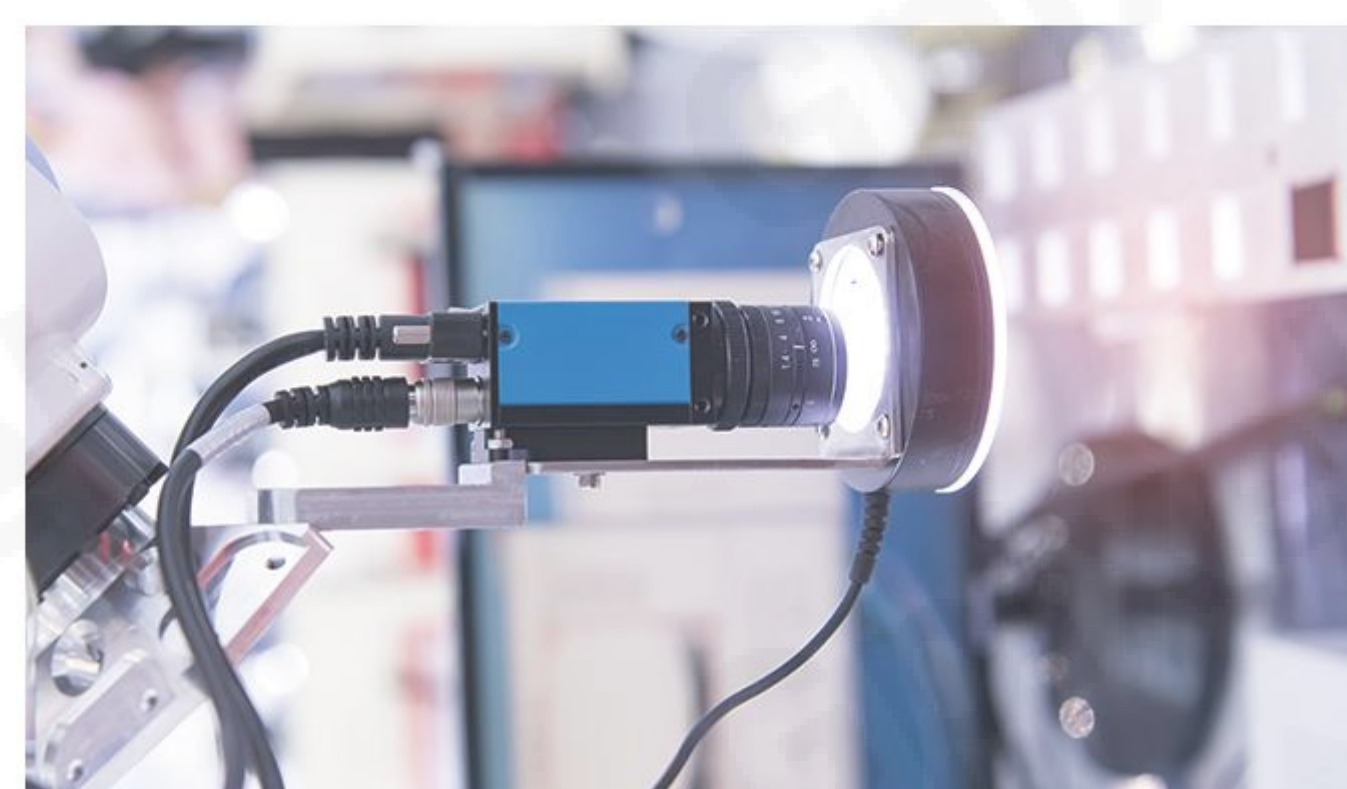
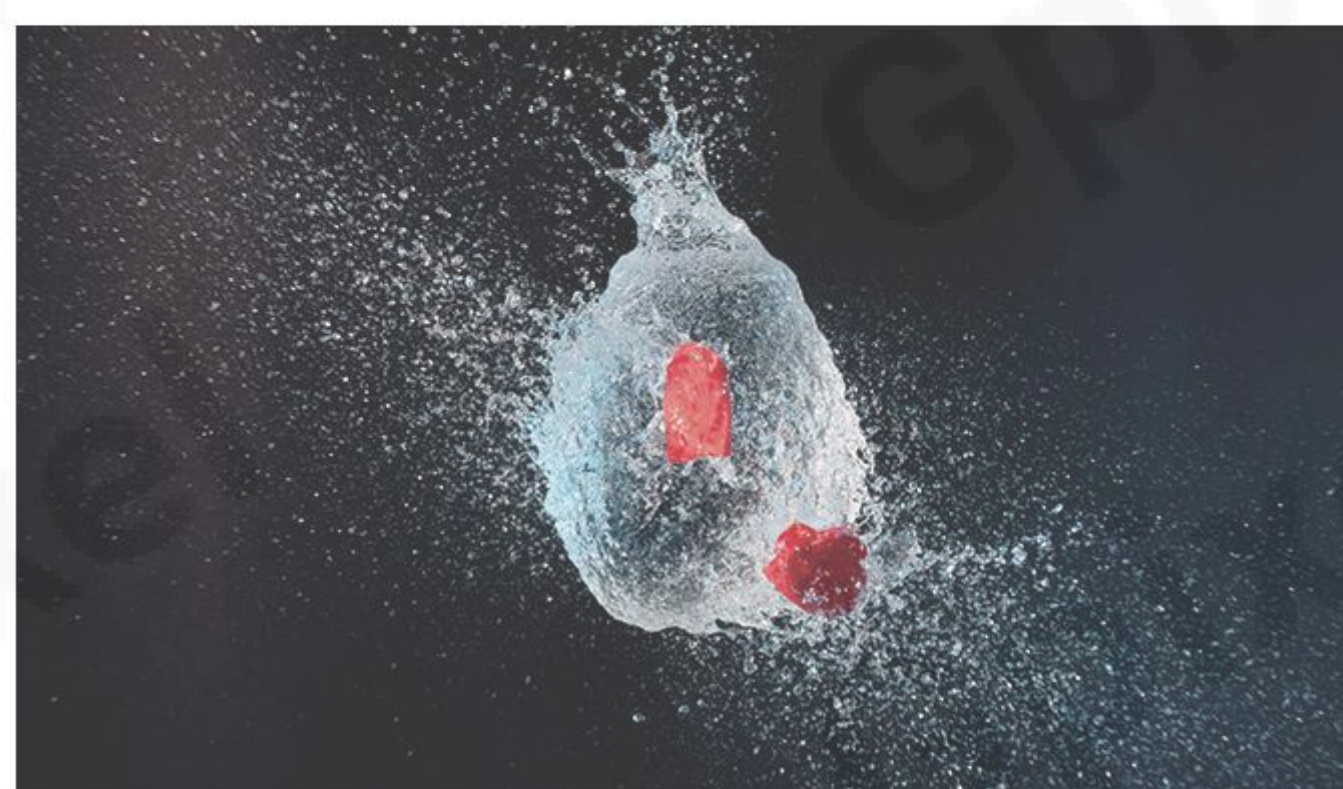
GSPRINT Series

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.

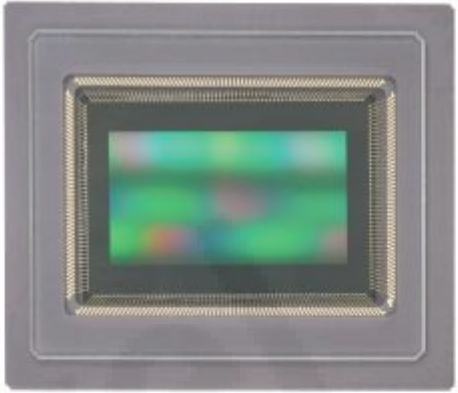
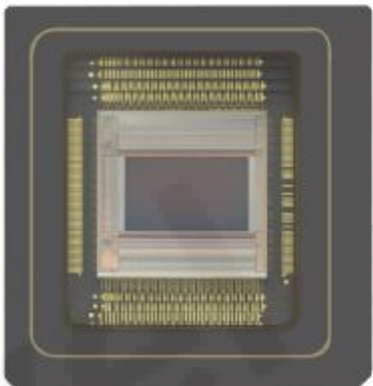
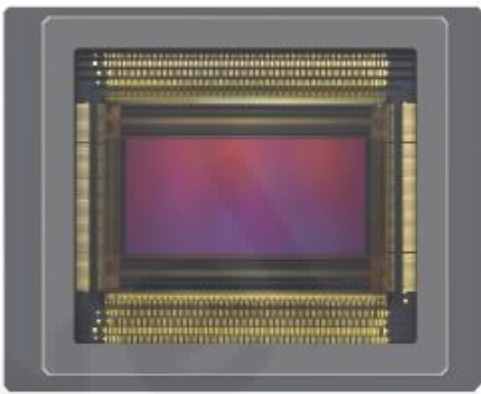
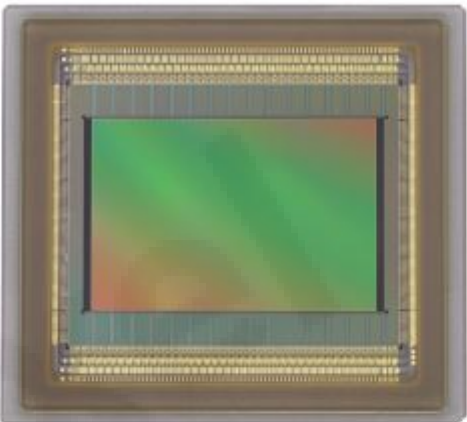
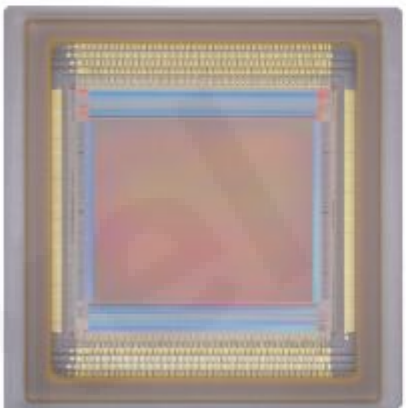


Product Family Features

- ✓ 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 (μm²)	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 mm)	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

GPIXEL CHINA CHANGCHUN (HQ)
Building 5, Optoelectronic Information
Industrial Park, 7691 Ziyou Road,
130033 Changchun, Jilin, China
Phone: +86-431-85077785

GPIXEL EUROPE
Gpixel NV
Copernicuslaan 60, 2018
Antwerpen, Belgium
Phone: +32-33034442

GPIXEL JAPAN
Gpixel Japan Co., Ltd.
TOC Osaki Building 18th Floor, 1-6-1 Osaki,
Shinagawa-ku, Tokyo, 141-0032 Japan
Phone: +81-03-5962-1600



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