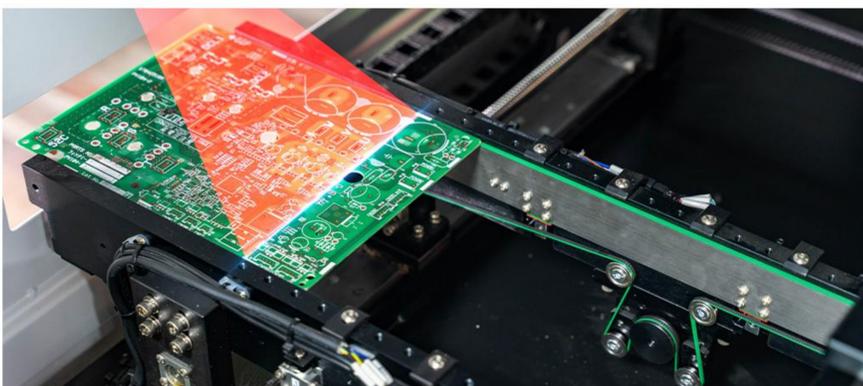


GSPRINT6502BSI

6.5 μm 2 MP GLOBAL SHUTTER CMOS IMAGE SENSOR

GSPRINT6502BSI is a backside illuminated global shutter CMOS image sensor with 2048 (H) x 1152 (V) pixels, each 6.5 μm square, providing a wide format and compatibility with 1" optics. The combination of backside illumination and a large 6.5 μm pixel maximize light collection in high-speed imaging applications including 3D laser profiling and scientific imaging. With 10 bit output and 32 pairs of Sub-LVDS outputs each operating at 1.2 Gbps, the **GSPRINT6502BSI** achieves 1498 frames per second. Up to 8 vertically oriented regions of interest can be defined to operate the sensor at increased frame rates. For applications in which the maximum frame rate is not required, multiplexing modes are available to reduce the number of output channels by any multiple of 2.



Key Features and Benefits

- ▶ BSI
- ▶ Multi-Slope HDR
- ▶ High Frame Rate
- ▶ Broad AR

Applications

- ▶ Automation & Inspection
- ▶ Spectroscopy
- ▶ Life Sciences
- ▶ Microscopy
- ▶ High Speed Imaging

