

Supports 3D mode processed images of up to 1920 x 1080 @ 30 fps or 1280 x 800 @ 60 fps

Embedded 32-bit RISC processor with 96 KB program memory

On-chip PLL with an input clock frequency of 20 MHz

Embedded 1.2V regulator, that supports a typical 240 mA current and maximum 480 mA current

Supports 1K bits of one time programmable memory (OTP)

Supports two sets of SCCB master and one set of SCCB slave

Core 1.2 power can be supplied by external power supply or internal regulator

Part Specification

Spec	OV00580-B21G-1C
Description	Image signal processor (ISP) bridge chip for high definition (HD) 3D application with USB 3.0 output
Key Features	USB 3.0 MIPI in, USB out Built-in ISP 2 x 3MP @ 30 fps
Target Solutions	Gaming AR/VR 3D IRIS
Package Type	BGA121
Max Frame Rate	3MP x 2 @ 30 fps
Output Interface	USB3.0
Input Interface	Dual 2-lane MIPI
Product Guide	PDF

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