

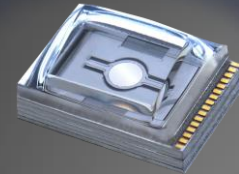
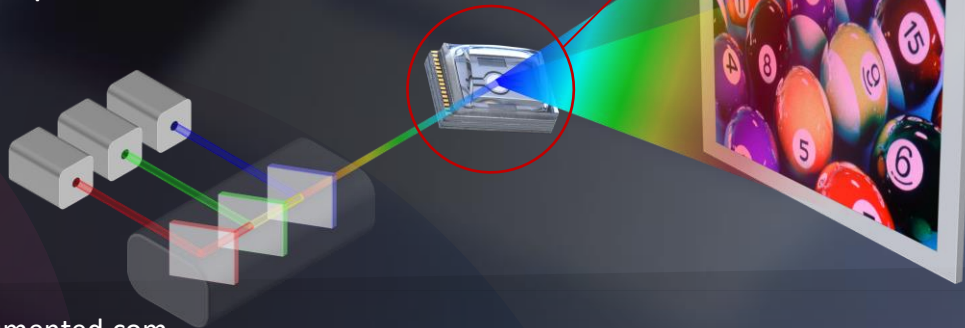


OQmented is an Itzehoe, Germany-based startup that develops the **most advanced MEMS mirror** and laser scanning technologies available on the market today. By combining our sophisticated MEMS mirror with **proprietary electronics and software**, OQmented enables disruption of current display technologies.

Our **patented** and superior **Lissajous Laser Projection Technology** exploits the massive advantage of vacuum packaged High-Q MEMS scanning mirrors to achieve unbeaten optical resolution. It drives our customers to develop breakthrough **HD retina projections** for future consumer products.

OQmented MEMS scanners and electronics for AR/VR applications

- 1D and 2D MEMS scanner designs
- Diameters from 0.5 mm to 3 mm
- FoV: 40° x 60°, up to 90° x 90° possible
- Scan frequencies of up to 80 kHz



5x7x3 mm



With our FPGA-based system electronics, we can offer:

- Interlace frame rates > 600 Hz
- Video resolution 2048 x 1024
- Sophisticated image processing algorithms for optimal projection