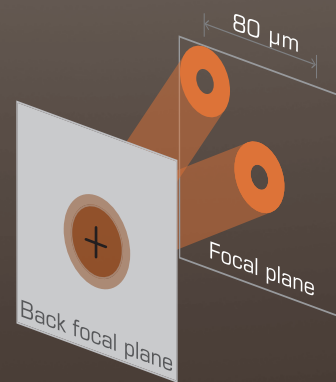
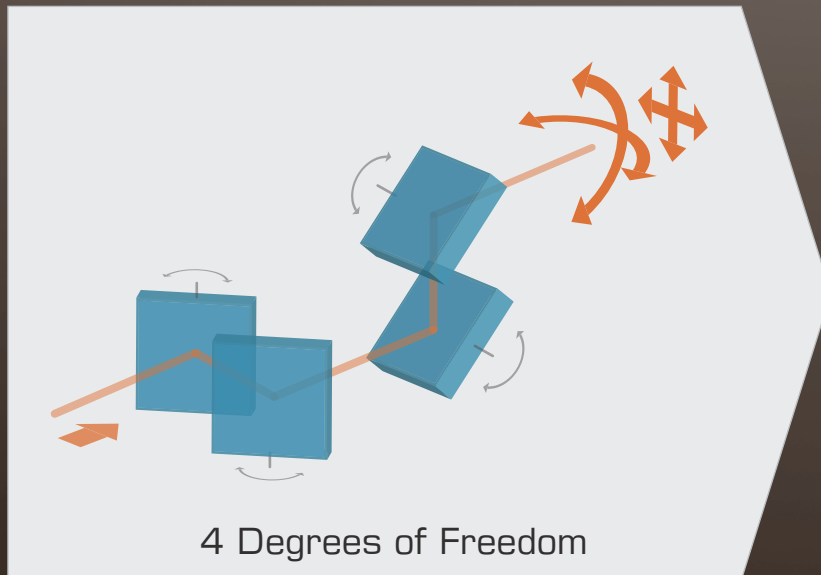


Abberior QUAD scanner

Quad scanner design with 4 galvo mirrors



Perfect donut over full field of view

Features

- ✓ Patent protected scanning technology
- ✓ Novel four-mirror design
- ✓ Compact and robust scan head
- ✓ No scan lens required: minimal wavefront distortions
- ✓ Beam alignment by software
- ✓ 4 degrees of freedom: beam position & angle independently addressable
- ✓ Scan field: $> 80 \times 80 \mu\text{m}$ (100x/1.4 oil immersion lens)
- ✓ Line frequency: up to 2 kHz

References:

- ✓ Bingen, P. et al. "Parallelized STED fluorescence nanoscopy", *Opt. Expr.* 19, 23716 (2011)
- ✓ Clausen, M.P. et al. "Pathways to optical STED microscopy", *NanoBioImaging* 1, 2299 (2013)

