

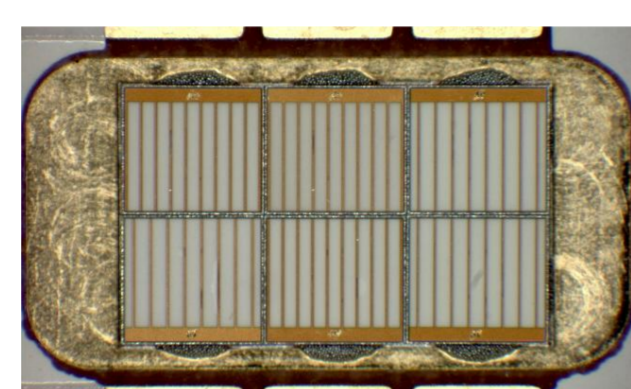
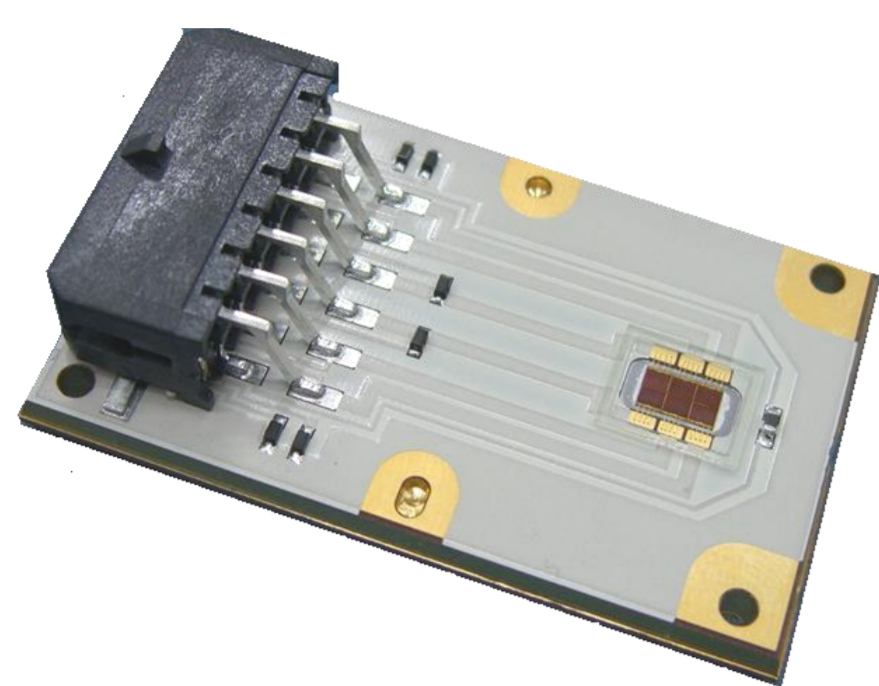
OSIRIS

Original Systems for Image Rendition via Innovative Screens

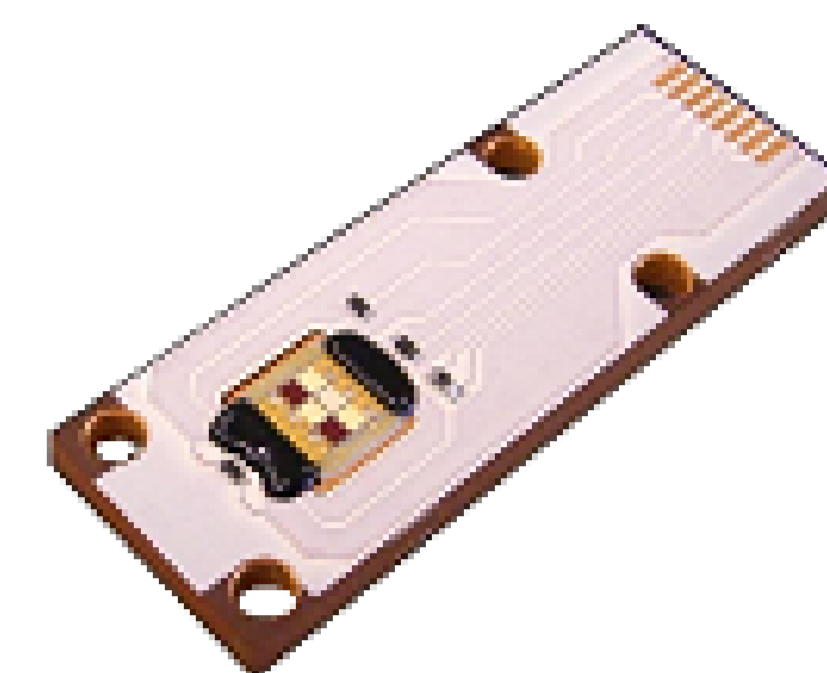
Final Results



LED (Osram)



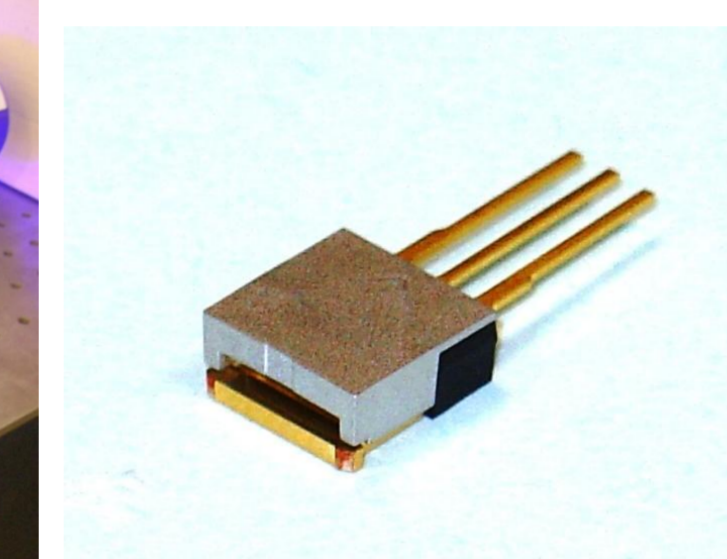
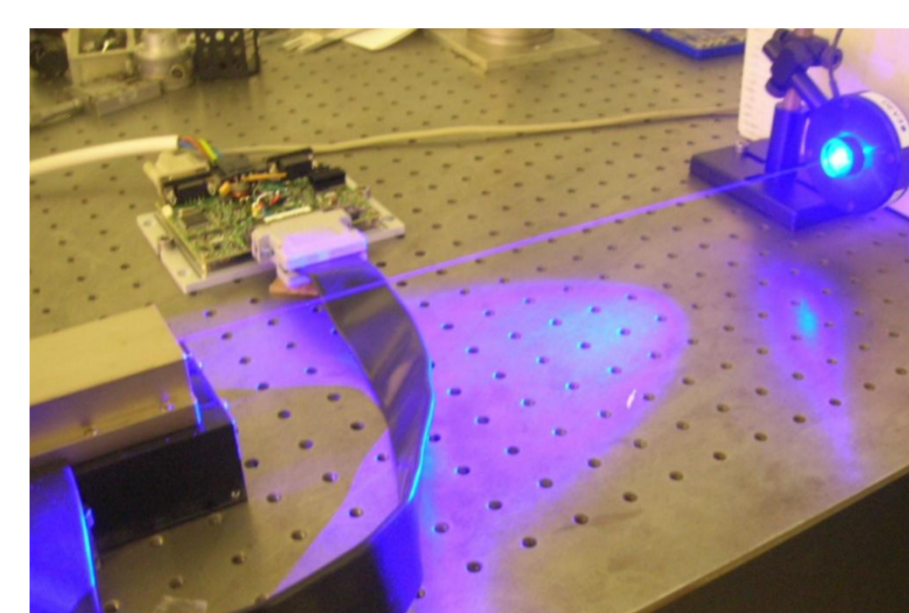
- Superior low thermal resistance
- High power of 200 W Peak possible
- Outstanding luminance from LED
- 4000 lm Red - 3800 lm Green - 24W Blue



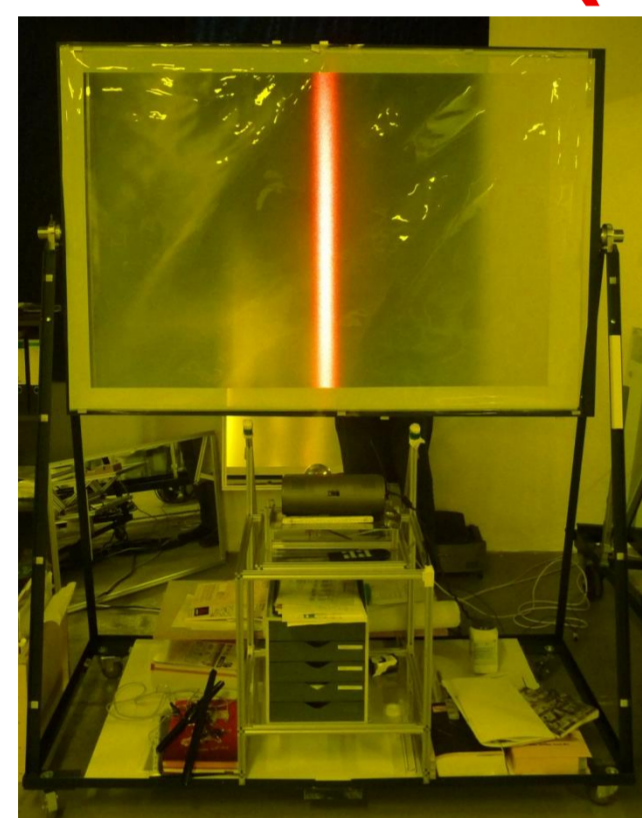
LASER (Oxxius, Osram)



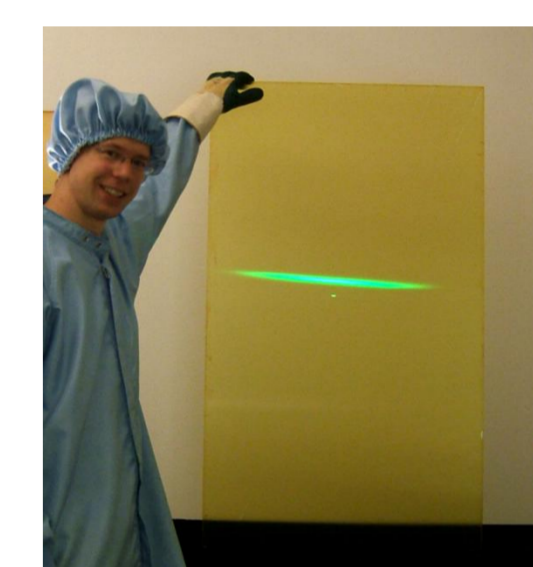
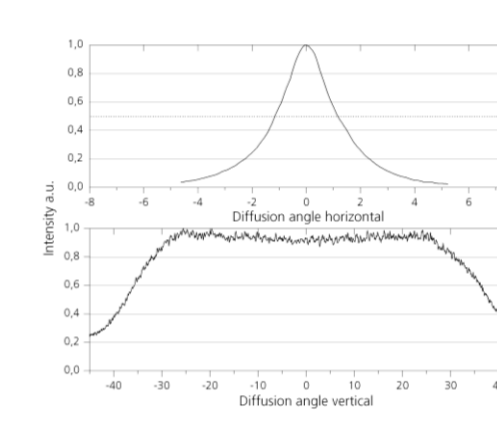
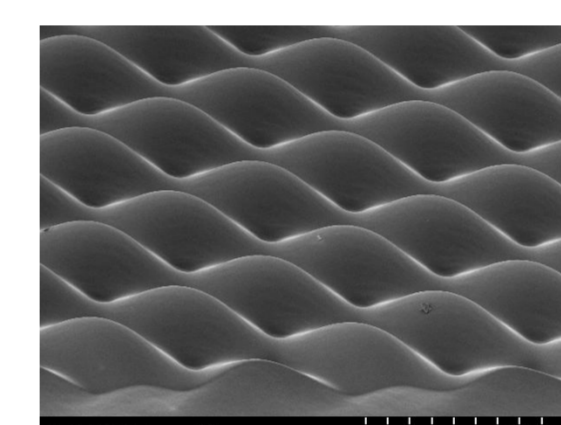
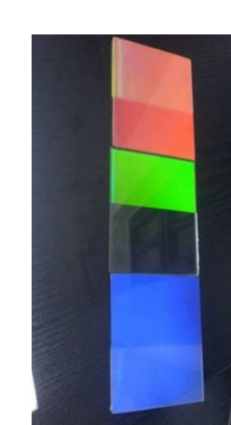
- 445 nm / 1W – Laser Diode Module
- 532 nm / 1.5W – DPSS Laser
- 640 nm / 2.5W – Laser Diode Module



SCREEN (ISE, SAX3D, Holotools)

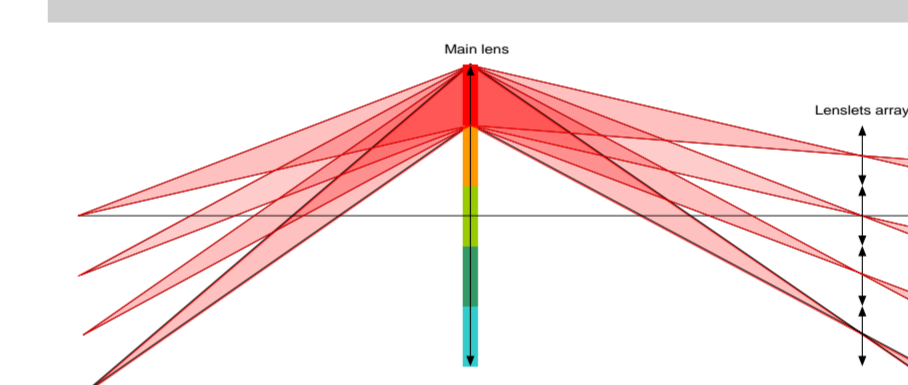
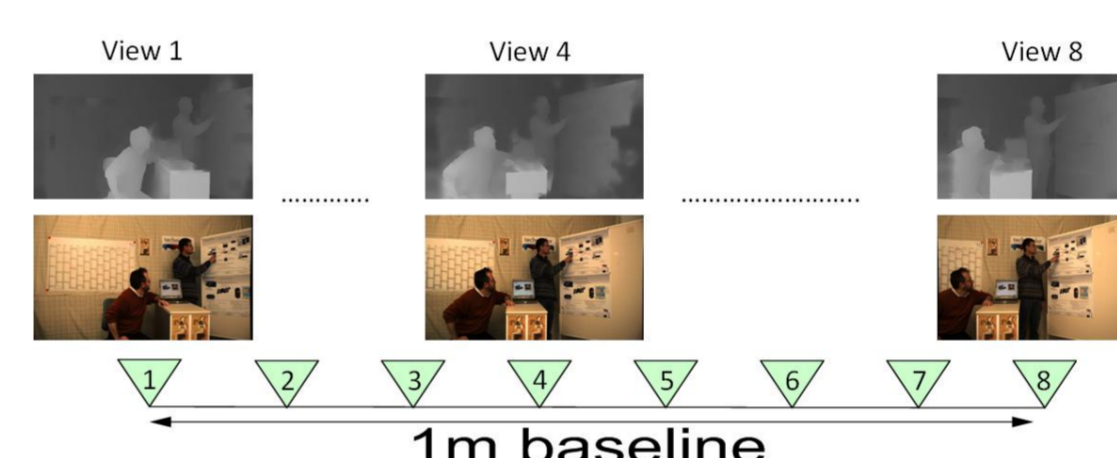


- High asymmetric diffusers up to 80°/1° by Interference Lithography
- Volume Holography in 50" 16/9 format
- Holographic on-axis and off-axis lenses
- RGB reflective type hologram
- Arrays of elongated micro lenses as asymmetric Diffusers

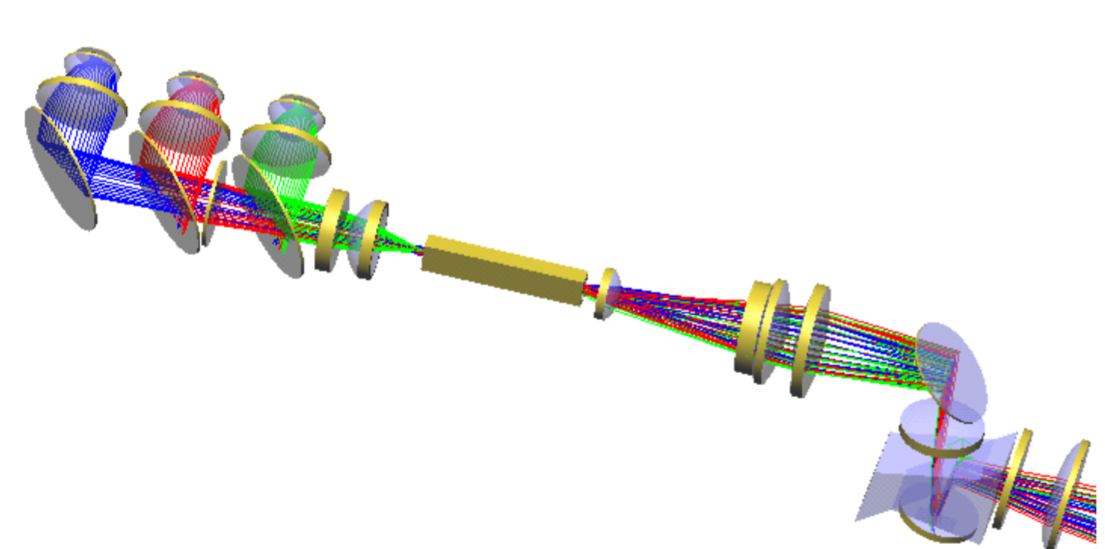
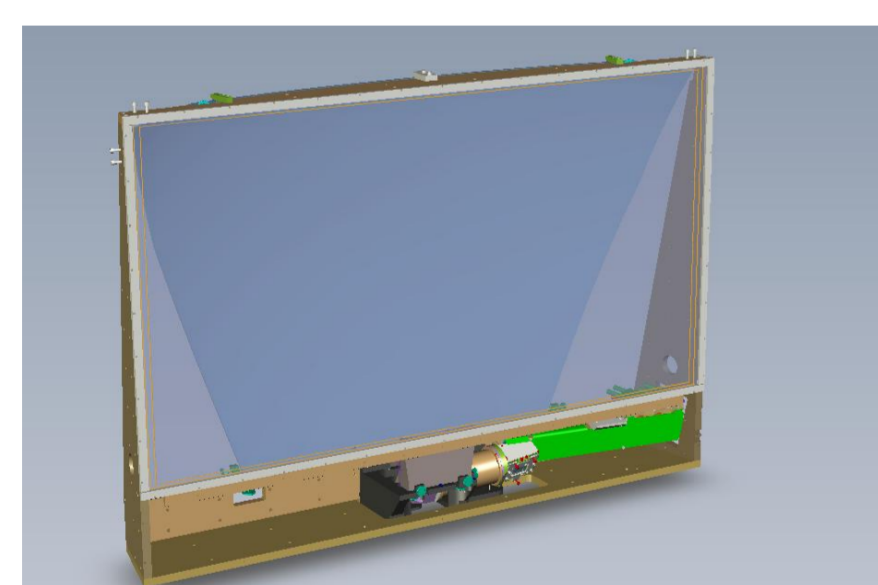


3D Multi View content (Technicolor)

- Single lens Multi View camera study
- Opto mechanical plenoptic adapter - 5 views
- Multi camera content generation (8 views + 8 depth maps)

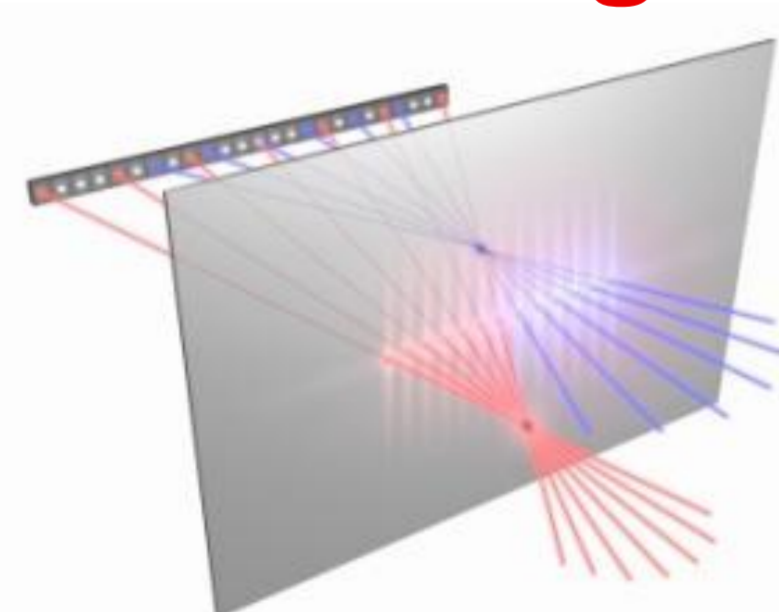


SLIM RPTV (Sypro, Barco)



- Novel design and prototyping of ultra slim rear projection TV
- 6" depth at 50" diagonal
- Design of LED illumination. Integration of OSIRIS LED key module provided by Osram

3D RPTV w/o glasses (Holografika)

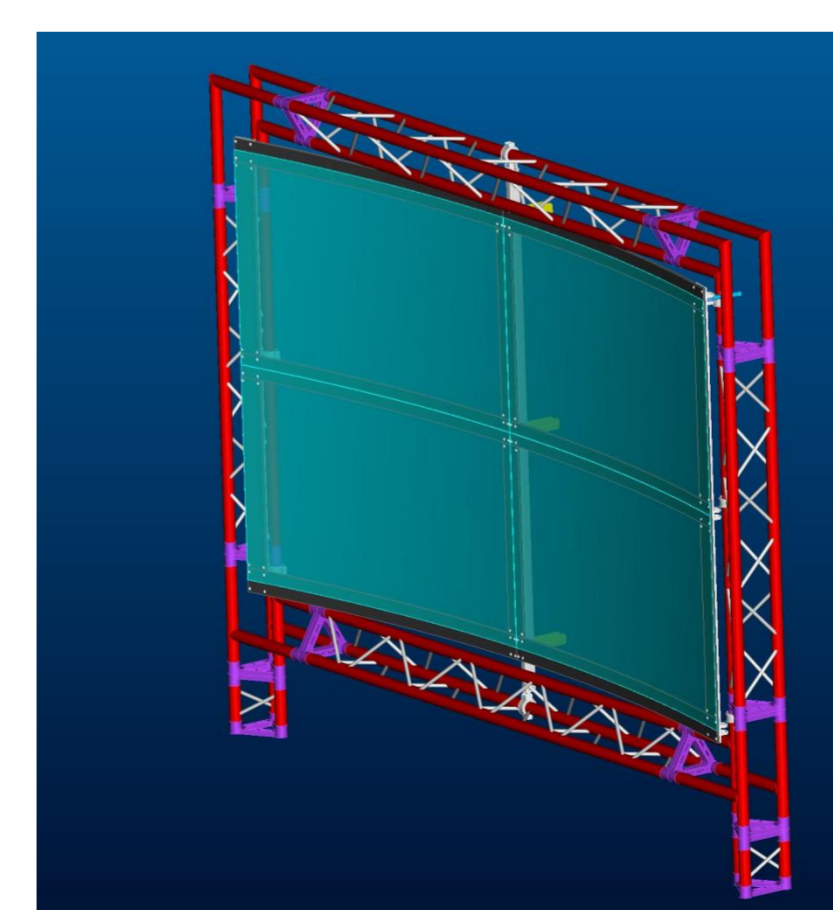


- Prototype of compact glassless 3D RPTV
- Innovative LED and screen components inside
- Compact render cluster and 3D content test

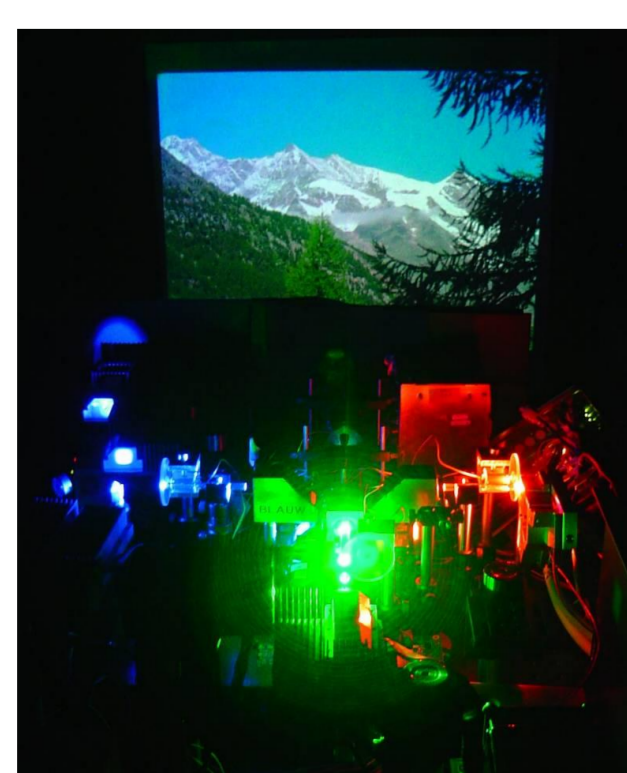
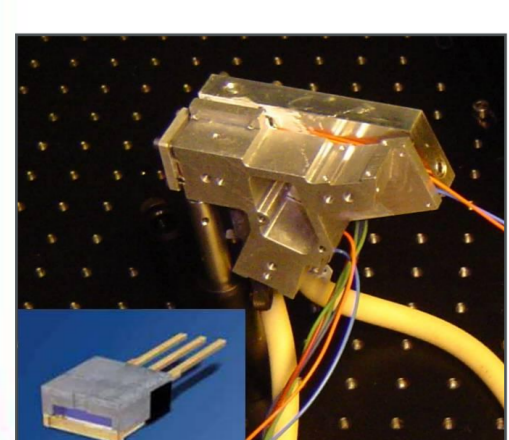


3D CINEMA w/o glasses (Holografika)

- Front projection, glassless 3D cinema
- Tests with novel reflective 3D screens
- Image +depth based 3D content rendering



LARGE FORMAT DISPLAY (Barco)



- LED based Display wall with Color management and Water Cooled LEDs for long Lifetime
- Laser illuminated LCOS projector (lab-prototype)
- Development of despeckling concepts

