



3-D Presentation Everywhere

Technology und Applications of
INFITEC Stereo Projection

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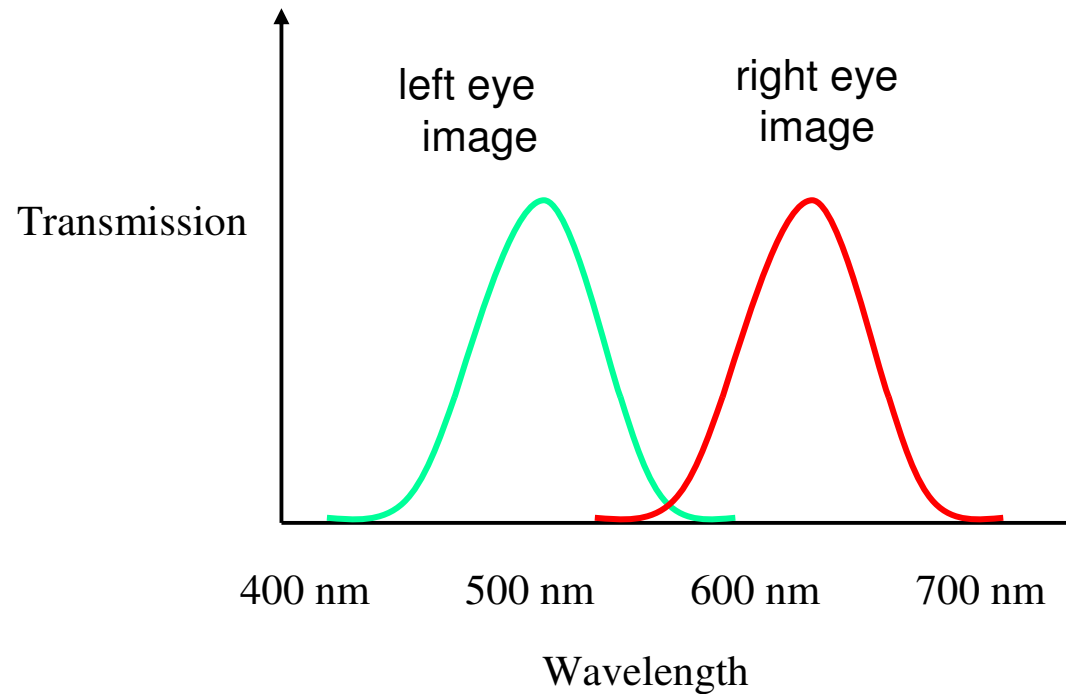
Overview

- Review Stereoprojection Schemes
- Concept of the New Approach
- Key Features and Applications

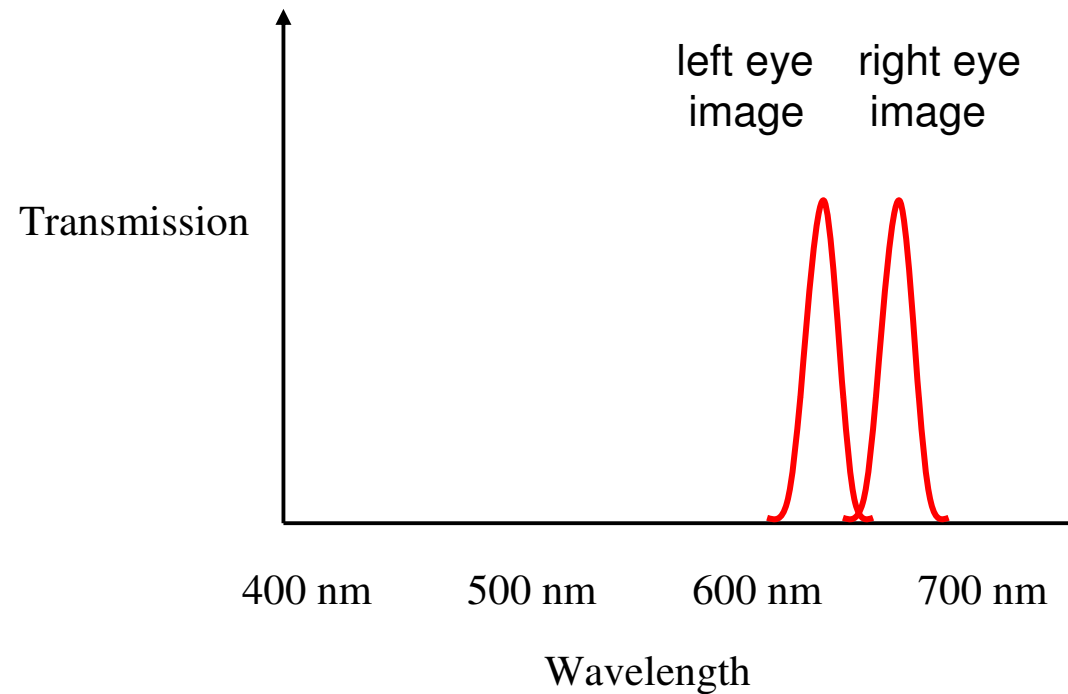


Existing Techniques for Stereo Projection

- Wavelength Multiplexing (Anaglyph Technique)
- Polarisation Filter Techniques
- Time Multiplexing (Shutter Glasses Technique)

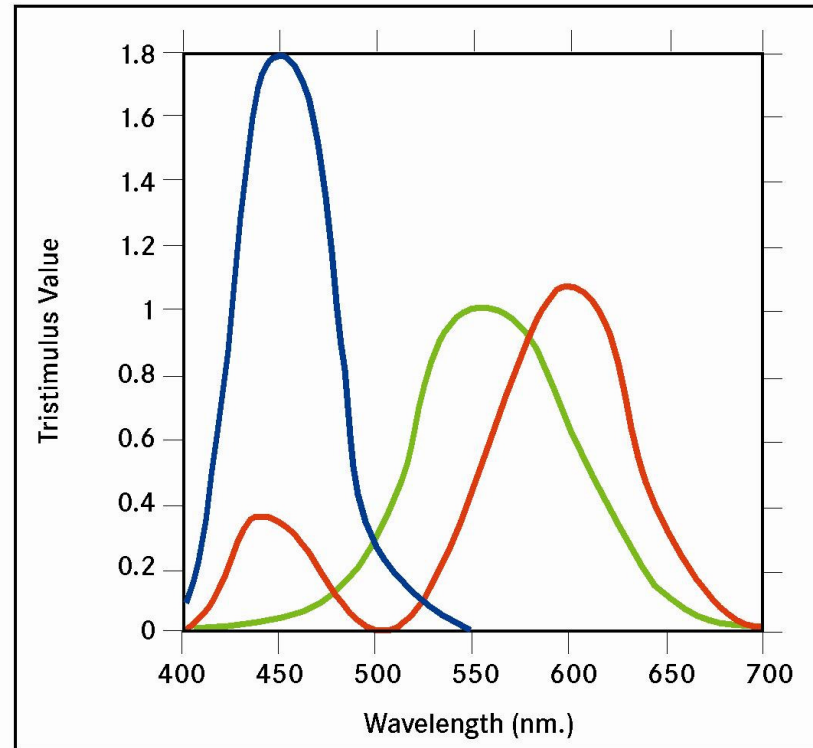


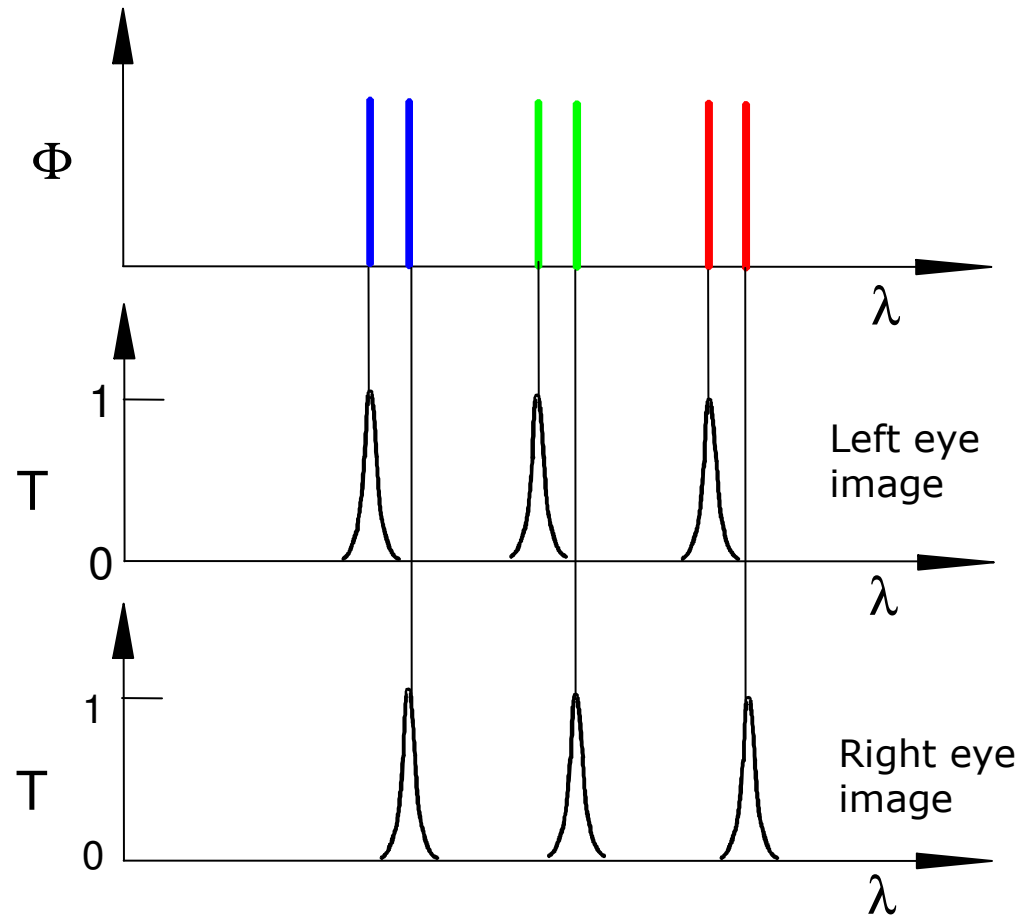
Drawback: left and right eye images have different colors

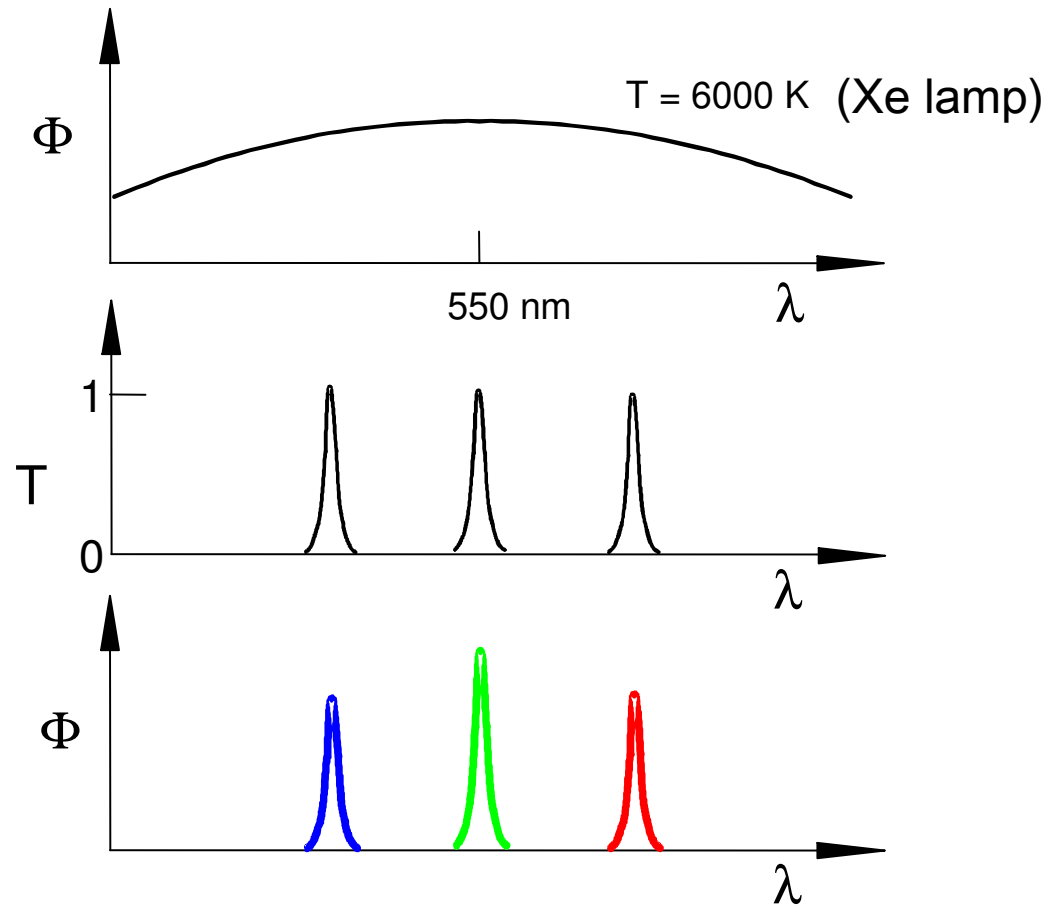


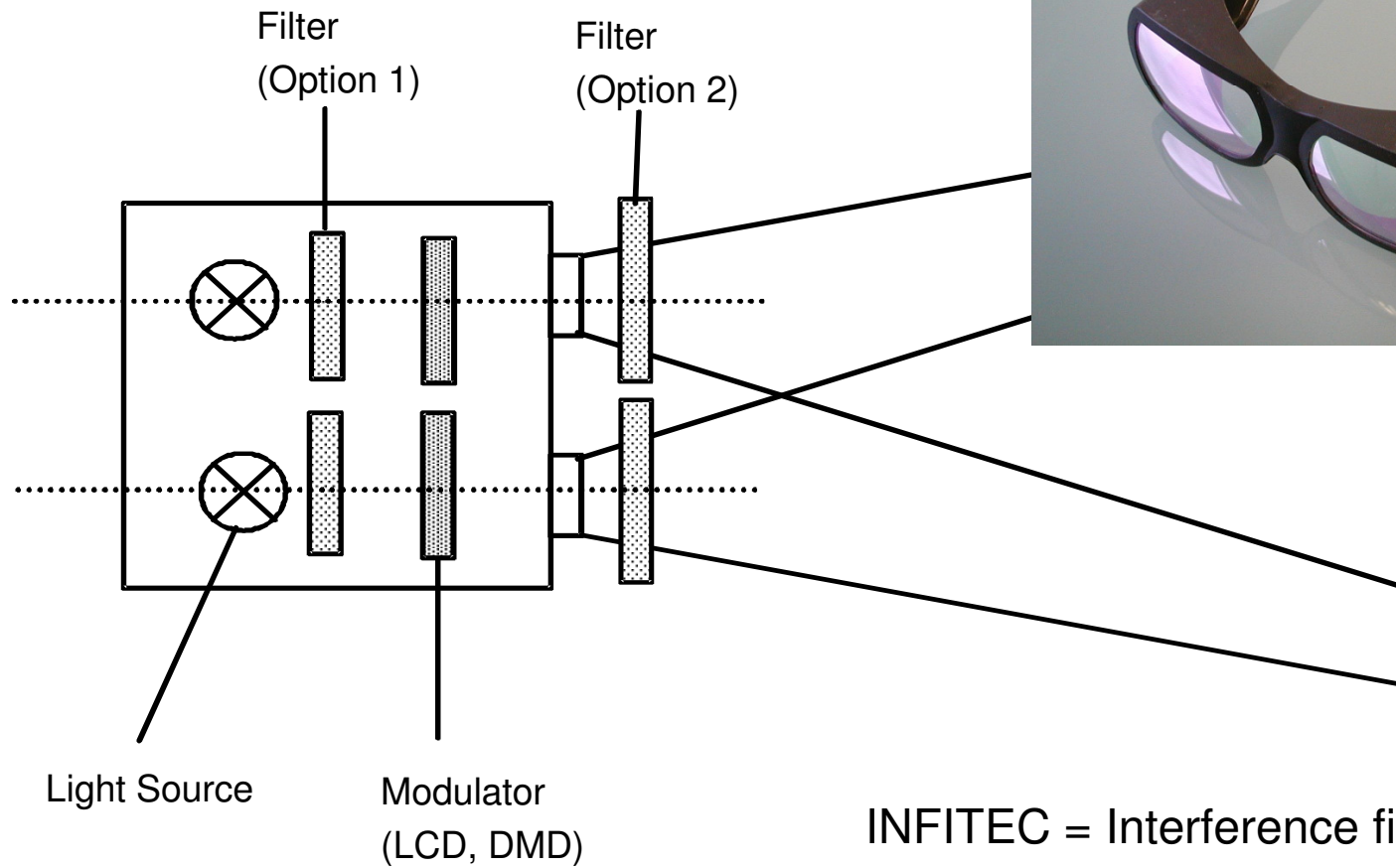
Benefit: no color discrepancies in the left and right image

Drawback: stereo images are only monochromatic

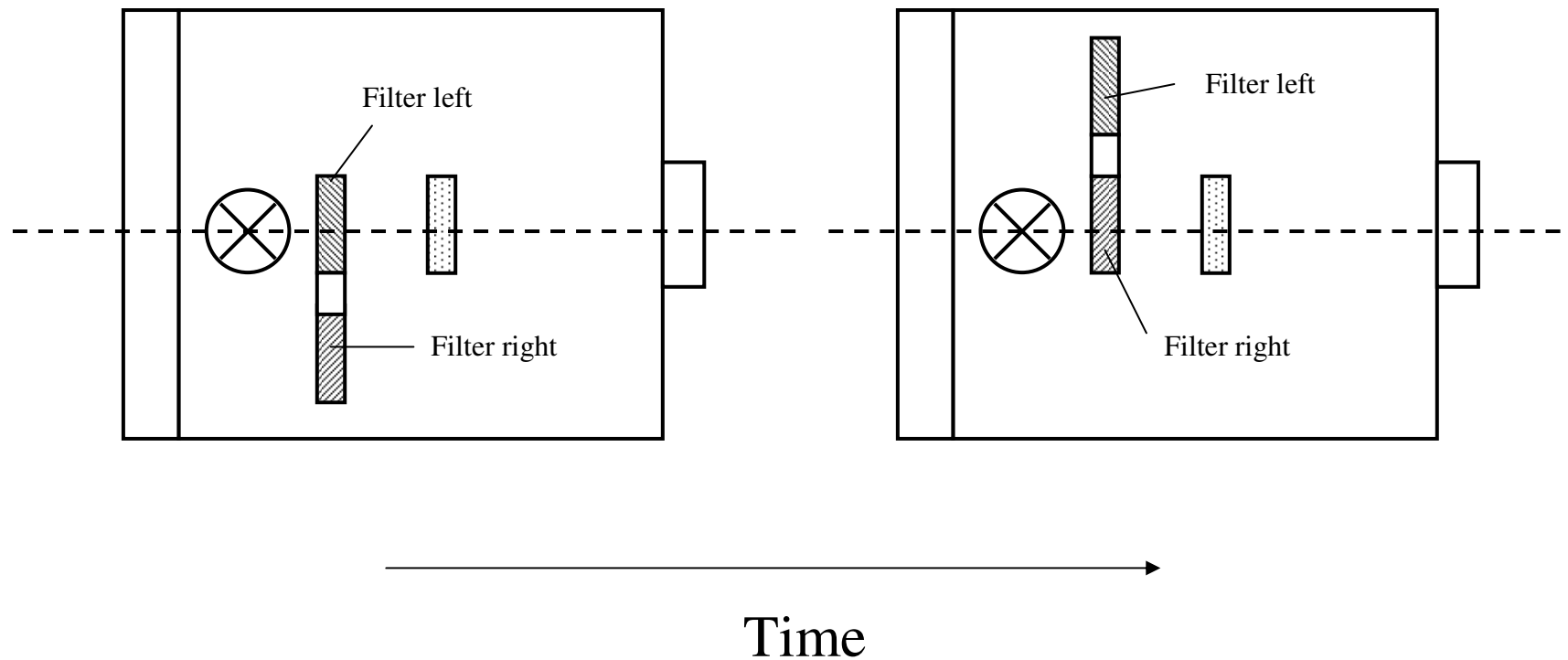








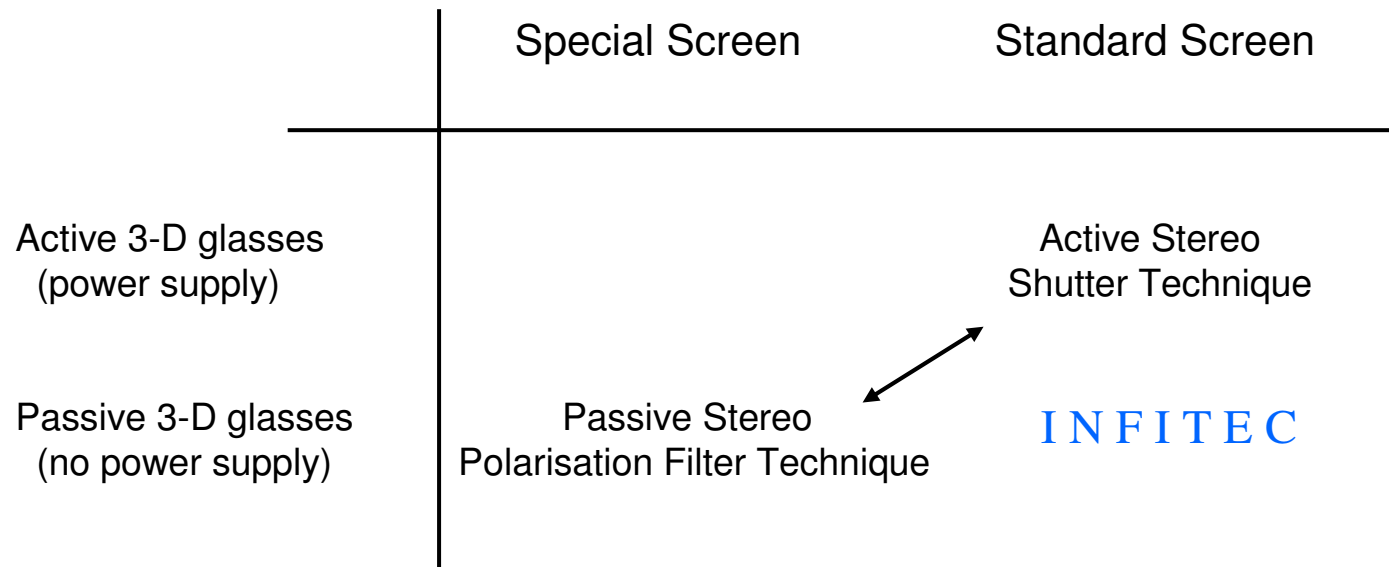
INFITEC = Interference filter technique



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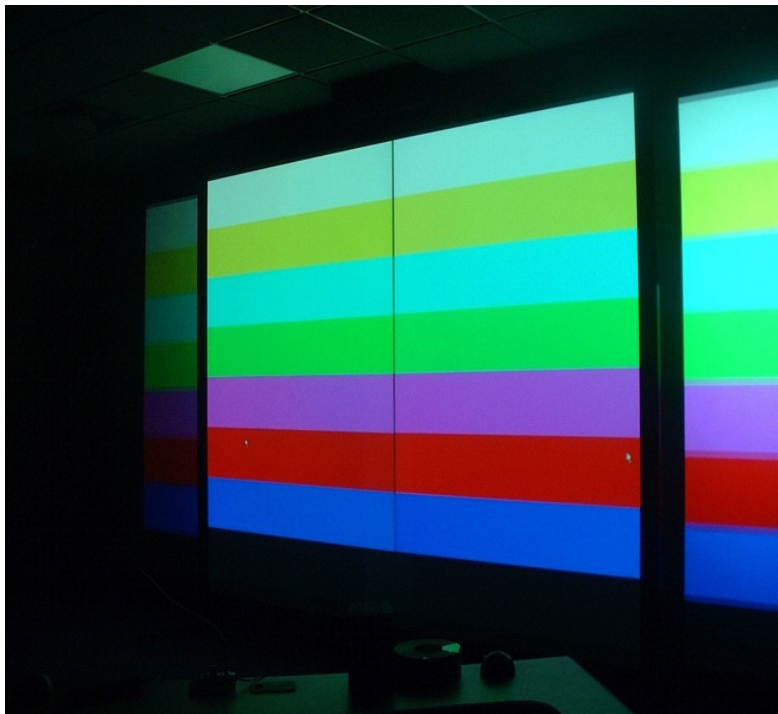
- Infitec stereo imaging works on every white screen. No need for special non de-polarisation screens (silver screens).
- By use of low gain screens stereo images become very homogeneous and very serene. Homogeneity is comparable to high quality mono projection.
- Very high channel separation (no ghost images at all).



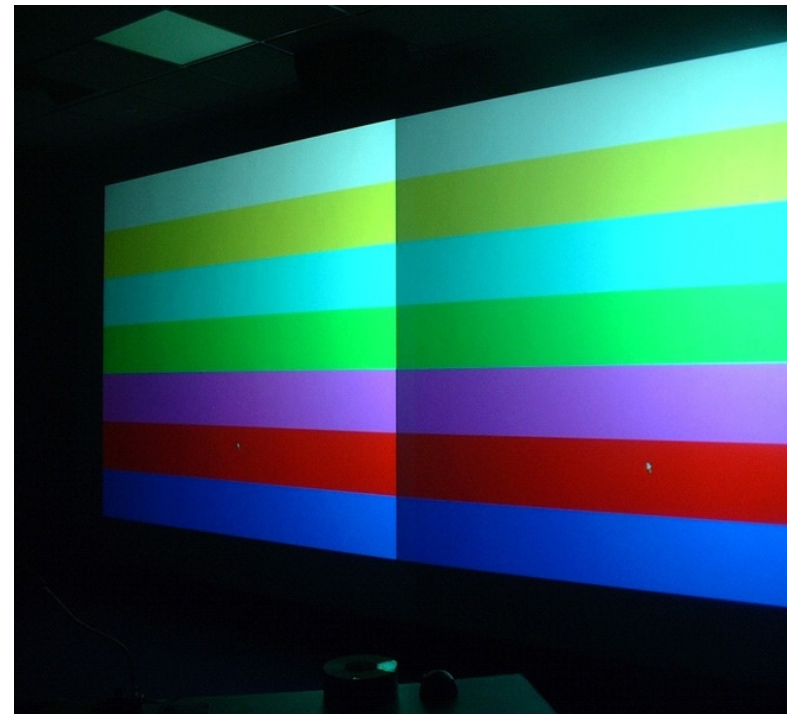


Infitec stereo

Polarisation filter stereo



Hard-Edged Image on White Screen



Hard-Edged Image on Non-Depolarizing (Silver) Screen



Functionality:

Stereo imaging becomes a portable medium by Infitec technology. The effort for presentation in stereo is almost comparable to the effort of presenting in standard mono using a conventional beamer.



Quality:

Infitec stereo transfers the high quality of mono projection (very homogeneous and serene image, no hot spot) to the stereo modus.

No disturbances by cross talk (ghosting).



Cost efficiency:

In stationary installations the stereo display is set-up cost effective as there is no need for special screens in existing presentation / entertainment environments (cinemas and 3-D theatres).



Kontakt

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