

A Very High Contrast Projector Using a Solid State Illumination Source

Axel Krause

ABSTRACT

A very high contrast projector offers a series of benefits for the application in flight simulation applications like electronic blending, true gray ramp representation and direct night vision goggle stimulation. The usage of solid state illumination devices in projectors has become state of the art and targets especially high lifetime, reduced maintenance efforts and low costs of operation. We present the combination of a high contrast projector principle and a solid state illumination source providing the benefits of both features for flight simulation

BIO

PRIMARY AUTHOR

Axel Krause

1985-1990

Studies of Physics at the Friedrich-Schiller-University Jena

1990-1992

Research Scholarship at the Friedrich-Schiller-University Jena

1992-1997

Research associate at the Fraunhofer Institute for Applied Optics and Precision Mechanics, Jena

1997

PhD Thesis on interferometric measurement techniques

1997 – today

Working at Carl Zeiss development department in the fields of projection technology and optical measurement techniques