

Improvements in Rear projection visual system technology

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ABSTRACT

Recent years have seen the delivery of high fidelity rear projection display systems in the training market. These high performing systems have provided greater training field of view, near eye-limiting resolution, higher contrast, and higher brightness than the older generations of training systems. The introduction of such visual training systems has allowed for simulator-based training that approaches reality.

This paper will discuss some of the limitations encounter by existing systems and the newer methods and emerging technologies that will overcome these obstacles. This paper will discuss the screen, projection, system peripherals, and design techniques used to achieve the greatest possible design for the required application.