



Design and Integration Experts for Curved and Spherical Displays



VisionFlex dvLED Curve

Overview

VisionFlex dvLED Curve (VFDC) is a display system inclusive of a smooth cylindrical dvLED display and associated display processor. VFDC is designed to meet resolution specification for simulation and training. VFDC display system features a tight radius, fine 0.9mm pixel pitch, smoothly curved dvLED screen. VFDC delivers training grade immersion with an ideal balance of pixel density, color gamut, refresh rate, brightness, and curvature.

VFDC is a transformative advance in display technology for the simulation and training market. For the first time, curved dvLED displays meet ocular resolution specifications at a price that is competitive with projection for a wide range of training tasks. VFDC produces resolution at the trainee design eyepoint to meet or exceed requirements on the uniform curve design. Example: 1.8M radius VFDC delivers <4.0 arc minutes/optical line pair ocular resolution at the center of curvature after accounting for KELL Factor.

The solution is a cost-effective alternative to projection because the expected life is 100,000 hours, there is no need for recalibration, the Mean time to repair is low, installation is less complicated than projection.

The VFDC is available in standard sizes ranging 1.83M to 3.66M radius and FOV 113°X31° to 282°X58°. Custom sizes are available.

Features

- Smooth Curve
- High Contrast & Refresh Rate
- Low Total Cost of Ownership
- Wide Color Gamut
- TAA-Compliant
- Patented Technology

