



## Curve

### Overview

Immersive Display Solutions, Inc. (IDSI) offers a complete family of products and services for curved projection screens and engineered solutions for the simulation, visualization and training systems markets.

Each curved system is available with a variety of screen gains utilizing tensioned fabric screen surfaces or semi-rigid screen technologies, as well as our newest advanced projection screens (APS©) that provide a projection surface designed specifically for high-pixel density displays found in ultra-high resolution multi-projector systems. The APS technology is available in gain formulations ideal for high-contrast, high-ambient light and 3D-stereo applications. Each curved screen is applied to a unique frame and negative pressure system specifically manufactured to ensure that the screen has a high degree of smoothness with no wrinkles, saddling or sagging.

Off-the-shelf configurations are available for single-projector displays with wide field-of-view (FOV) optics or multi-projector systems. Displays requiring custom FOV, screen materials and geometries are available to meet a customer's exact specification or application.

IDSI has decades of experience in the area of custom immersive visual display design and screen manufacturing, and our curved projection systems are the result of this experience coupled with availability of improved screen materials and processes from our screen partners.

### Primary Markets

- Military Simulation and Training
- Commercial Simulation
- Museums/Amusement Parks
- Visualization



## Technical Specifications

|                         | Curve 120             | Curve 180         | Curve 220         |
|-------------------------|-----------------------|-------------------|-------------------|
| Support Structure       | Included              | Included          | Included          |
| Standard Diameters      | 3, 4, 5, 6 or 7 meter | 3, 4 or 5 meter   | 3, 4 or 5 meter   |
| Screen Material         | Fabric or APS         | Fabric or APS     | Fabric or APS     |
| Projection System       |                       |                   |                   |
| Number of Projectors    | 2                     | 3                 | 4                 |
| WXUGA Resolution        | 2.2 arc-min/pixel     | 2.2 arc-min/pixel | 2.2 arc-min/pixel |
| WQXGA Resolution        | 1.6 arc-min/pixel     | 1.6 arc-min/pixel | 1.6 arc-min/pixel |
| Warp and Blend Software | Included              | Included          | Included          |
| Accessories             | 5.1 Surround, PC      | 5.1 Surround, PC  | 5.1 Surround, PC  |



### About Immersive Display Solutions

IDSI partners with its clients to design and integrate a range of both commercial and custom-designed cylindrical, panoramic and spherical visual display products including the necessary ancillary services to deliver cost-effective immersive simulation and training experiences to military and commercial customers worldwide.

