



Fabric Dome

Overview

Immersive Display Solutions, Inc. (IDSI) offers the ImmersiveDome™ family of collapsible-fabric technology products and engineered solutions, including spherical partial domes, full dome theaters and panoramic displays for the simulation, visualization and training systems markets.

The collapsible-fabric display solutions combine the best of portability with rapid installation and a visually seamless screen surface. The technology and design of each ImmersiveDome is the result of constant design improvements and refinements, and adaptation of new materials and processes over the nearly 20-year product history. Designed to make a strong visual impact, each display is ideal for transportable and semi-permanent installations, and provides an immersive display environment that can be set up and disassembled many times over the product lifetime to provide extremely cost-effective deployable training environments.

Each ImmersiveDome solution is delivered with a high-performance fabric screen that provides a geometrically-consistent screen shape. The fabric screen options include several different 'gain' materials to match the brightness and contrast requirements of the end-user's application. For highest-fidelity, high-pixel density requirements the APS™ screen is offered to achieve optimal image quality in a virtually seamless display.

Primary Markets

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



Technical Specifications

Standard off-the-shelf sizes offered include 3-meter up to 6-meter in diameter, with larger sizes and configurations with custom field-of-view configured at time-of-order to specifically meet the requirements of a specific application or program. Each system is packaged for ease of shipping.

	ImmersiveDome 300C	ImmersiveDome 400C	ImmersiveDome 500C	ImmersiveDome 600C
Dome Diameter	3-meter	4-meter	5-meter	6-meter
Typical # of Users	1-2	2-4	3-6	4-8
Projection Options	Multi-projector	Multi-projector	Multi-projector	Multi-projector
Projector Resolutions	1080p, WUXGA, WQXGA, 4K	1080p, WUXGA, WQXGA, 4K	1080p, WUXGA, WQXGA, 4K	1080p, WUXGA, WQXGA, 4K
Screen Material	Fabric or APS™	Fabric or APS™	Fabric or APS™	Fabric or APS™
Dome Orientation	Horizontal, vertical or tilted	Horizontal, vertical or tilted	Horizontal, vertical or tilted	Horizontal, vertical or tilted
Setup Time	2 hours	2.5 hours	3 hours	4 hours



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.

