



Integration Experts for Curved and Spherical Displays

Optimized NVG Training

IDS's JTAC domes use IR-enabled projectors specifically engineered to optimize full spectrum training for night vision devices.

Projection Systems

Multi-channel COTS projector solutions offering a range of illumination systems including UHP, LED, LED+IR and alternative light source.

High Resolution Terrain

Optimized high-resolution databases increase realism for ground-based or air-based training through simulated terrain in day or night.

MOA Accreditation

Providing visual systems for JTAC simulation, including AAJTS, AJTS, CFFT3, JTAC-TRS and JFPL that are accredited for Type 1, 2 and 3 day/night controls.

Individual and Group Training

Display systems from 3 meters up to 8 meters (diameter) are available to support Joint Fires training for individual JTACs, JFOs, FACs as well as joint fire support teams of up to 8 members.

Highly Configurable

A wide range of configurations can be designed to fit the customer's specific application and budget.

JTAC/FAC

Providing Immersive Display Solutions for JTAC/FAC Training

For a fully immersive Joint Fires training experience, IDS offers a wide range of visual display solutions. Our JTAC domes are built using COTS display components that meet our clients' unique training requirements. Through the use of multi-channel display systems our solutions offer a highly immersive environment for Joint Fires training.

Overview

For a fully immersive Joint Fires training experience, Immersive Display Solutions, Inc. (IDS) offers a complete visual display solution. Optimized high-resolution databases increase the realism of training through simulated terrain in day and night, and on land or in the air through full-spectrum time-of-day simulation. Our JTAC domes are built using COTS display components that meet our clients' unique training requirements. Through these multi-channel display systems, we offer an ideal, highly immersive environment for individual JTACs, JFOs or FACs as well as Joint Fires support teams of six to eight members.

Technical Specifications

Model	300 Enhanced	400 Enhanced	500 Enhanced	600 Enhanced
Display	3-meter dome	4-meter dome	5-meter dome	6-meter dome
FOV	220 H x 90V (+60/-30)	240 H x 100V (+70/-30)	270 H x 100V (+70/-30)	240 H x 120V (+90/-30)
Geometry	Spherical	Spherical	Height Modified Spherical	Height Modified Spherical
Projector Type	DLP	DLP	DLP	DLP
Illuminator	LED/LED+IR	LED/LED+IR	LED/LED+IR	LED/LED+IR
Projector Resolution	WQXGA	WQXGA	WQXGA	WQXGA
Projector Count	6	10	14	12
Resolution, arc-min/pixel	2.0	1.8	1.6	1.7
Resolution, arc-min/OLP (10% MTF)	4.2	3.8	3.2	3.7
Footprint, W x Dx H	12'x13'x11'	16'x16'x12'	20'x19'x12'	22'x20'x12'
Projectors - Electrical	120-240 V @ 50/60 Hz	120-240 V @ 50/60 Hz	120-240 V @ 50/60 Hz	120-240 V @ 50/60 Hz
VDS Max Power, Amps	20	35	50	40
VDS Thermal, BTU/hour	<6600	<11000	<15400	<13200
Delivery Timeframe, ARO	8 weeks	8 weeks	10 weeks	10 weeks

About IDS

IDS innovates and integrates a range of visual display products and services to deliver cost-effective immersive simulation and training experiences to military and commercial customers worldwide. IDS partners with its clients to design and integrate both commercial off-the-shelf and custom-designed cylindrical, panoramic and spherical projected visual display solutions.

