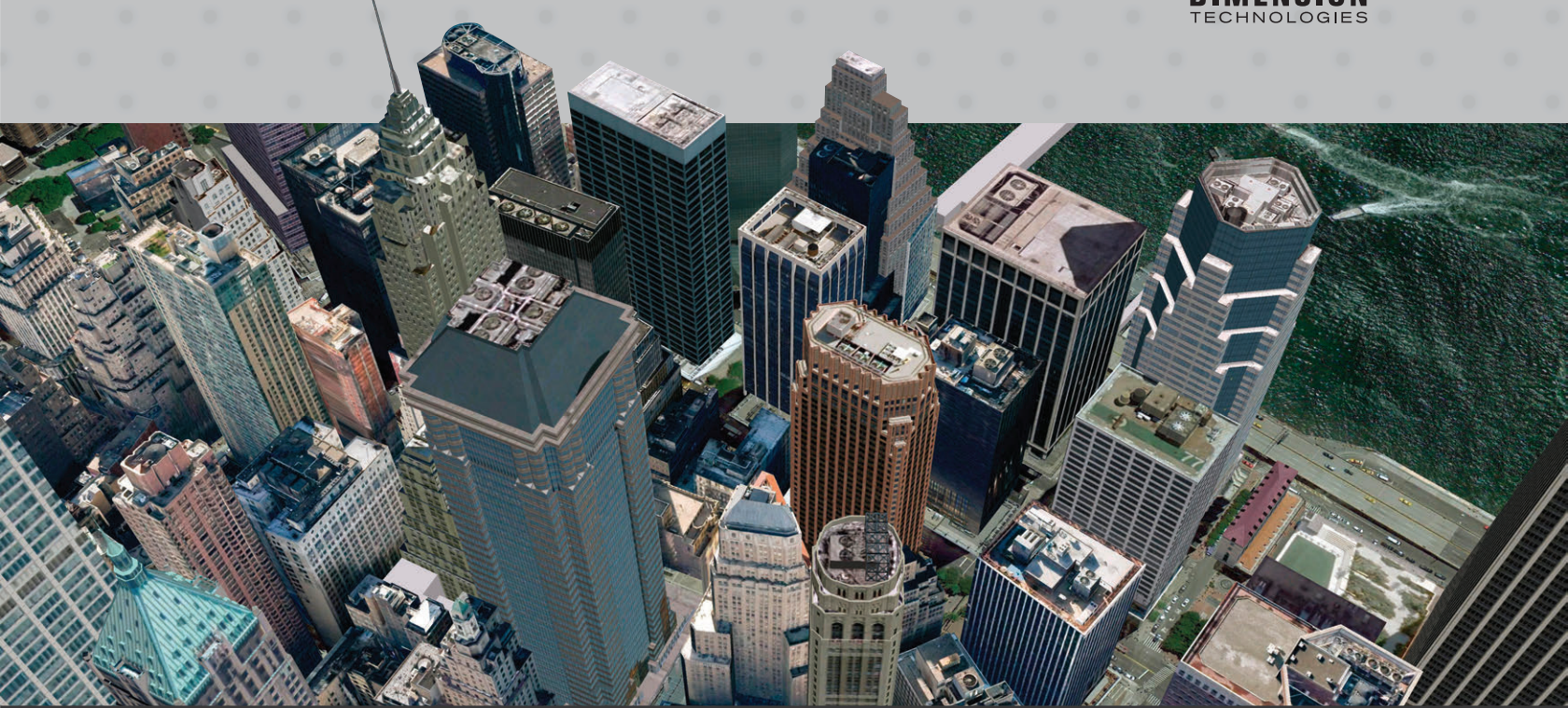


Light Field Displays *for* Simulation & Training



3RD
DIMENSION
TECHNOLOGIES

SEE YOUR WORLD IN TRUE 3D



Map data: Google, NOAA

HOLOGRAPHIC 3D DISPLAY

See your virtual world in its true spectacular brilliance with **Holographic Angular Slice 3D** display technology. No special glasses or restrictive headgear is needed. Multiple continuously blended perspectives allow examination of spatial relationships without annoying dead zones or pseudoscopic “flipping”. Matched vergence-accommodation eliminates display sickness and visual fatigue to provide a comfortable viewing experience over prolonged periods. Bright, scalable 3D projection for single or multi-user application indoors or out. See your world as never before, in true 3D on a Holographic Angular Slice 3D display.

FEATURES



NO 3D GLASSES

Angular Slice 3D enables natural 3D viewing without special glasses.



EXCELLENT BRIGHTNESS

Operates well in outdoor daylight or normal room lighting.



LOOK-AROUND VIEWING

Continuously changing view allows the viewer to look around objects.



NO VISUAL DISPARITIES

Matched vergence-accommodation for comfortable prolonged viewing.

APPLICATIONS

IMMERSIVE INTELLIGENCE

Live within the data with Map of the World 3D visualization of layered geospatial information.

COMPUTER AIDED DESIGN

Gain valuable perspective with proper sight lines and depth interactions for improved part assembly and component layout.

MEDICAL IMAGING

Holographic visualization of 3D radiological and endoscopic imagery expands the potential of diagnostic and surgical interventions.

TELEPRESENCE

Natural eye contact, directional gaze awareness, and a greater sense of being there provide a uniquely engaging collaborative experience.

MODELING & SIMULATION

Immersive 3D simulations enhance visual perception and realism to better analyze, monitor, plan, and train.



BEYOND STEREO WITH TRUE 3D

The Holographic Angular Slice 3D display goes beyond traditional stereo displays and provides a fully immersive 3D user experience.

Without cumbersome glasses, users can enjoy “look around” 3D viewing by simply moving their heads to see around objects in a scene. This “look around” viewing capability is not possible with glasses-based stereoscopic displays.

No need to dim room lights or close the shades. The optical design of the display provides excellent brightness. Operation outdoors in sunlight is possible for such applications as digital signage.

The Holographic Angular Slice 3D display is a projection-based system scalable from desktop to theater with no moving parts that impact reliability. Go beyond stereo with a true multi-perspective 3D viewing experience for complex data analysis, mechanical and architectural design, medical imaging diagnostics, robotic surgery, geospatial intelligence, and training simulators.

EXAMPLE SYSTEM SPECIFICATIONS

MODEL	SIZE	HORIZ. HEADBOX	VERTICAL FOV	ANGULAR RES.	COLOR RESOLUTION	PIXEL RESOLUTION	BRIGHTNESS	OPEN GL FRAME RATE UPDATE RATE
WORKSTATION	53" D @ 16:10	~12" @ 60"	~90°	~1.0°	24-bits	12 MP	0-7000 lux	>30 Hz (App. Dependent)
CONF. ROOM	118" D @ 16:10	~100" @ 144"	~90°	~1.0°	24-bits	40 MP	0-4500 lux	>30 Hz (App. Dependent)



CONFIGURATIONS

Available in a variety of size, form, and resolution configurations.

ADDITIONAL FEATURES

Open GL Compliant • 3D Photo Capture Studio • Hardware & Application Support

