Light Field Displays for Simulation & Training
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.

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.

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.
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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SIZE</th>
<th>HORIZ. HEADBOX</th>
<th>VERTICAL FOV</th>
<th>-angular RES.</th>
<th>COLOR RESOLUTION</th>
<th>PIXEL RESOLUTION</th>
<th>BRIGHTNESS</th>
<th>OPEN GL FRAME RATE UPDATE RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORKSTATION</td>
<td>53&quot; D @ 16:10</td>
<td>~12&quot; @ 60&quot;</td>
<td>~90°</td>
<td>~1.0°</td>
<td>24-bits</td>
<td>12 MP</td>
<td>0-7000 lux</td>
<td>&gt;30 Hz (App. Dependent)</td>
</tr>
<tr>
<td>CONF. ROOM</td>
<td>118&quot; D @ 16:10</td>
<td>~100&quot; @ 144&quot;</td>
<td>~90°</td>
<td>~1.0°</td>
<td>24-bits</td>
<td>40 MP</td>
<td>0-4500 lux</td>
<td>&gt;30 Hz (App. Dependent)</td>
</tr>
</tbody>
</table>

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

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