





INTRODUCTION



Zspace Video

<u>Video</u>



Infinite Z, Inc.®

Transforming computer interaction lifelike | interactive | immersive

Silicon Valley based • VC backed in 2007 • Privately held • 30+ patents





zSpace®

Direct interaction with 3D virtual-holographic simulations in open space



Passive, polarized tracking eyewear

Innovative software development platform



APPLICATIONS



Accelerate Understanding and Productivity

create | solve problems | teach | communicate

"I love what you do. There is great potential."

Bernard Charles, CEO, Dassault Systemes

"Would have saved me years" in time savings for pre-visualization of movies.

James Cameron, Filmmaker



"Allowing for Virtual Procedures to become mainstream" Sergio Aguirre, CEO, EchoPixel

"Unprecedented benefit in understanding and manipulation for GIS" Fran Rabuck, Applied Research Director, Bentley

"Lives depend on our ability to gain a shared understanding of complex data from countless sources." US Intelligence

"Absolutely astounding!"

Jeff Kowalski, CTO, Autodesk

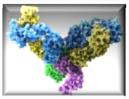


Target Markets

- Manufacturing & Automotive
- Product Design
- Education
- Government
- Healthcare
- Film & Media
- Gaming & Entertainment
- Retail











Gaming & Entertainment







Government



















Healthcare











Manufacturing & Automotive

















Architecture, Engineering, Construction







Education







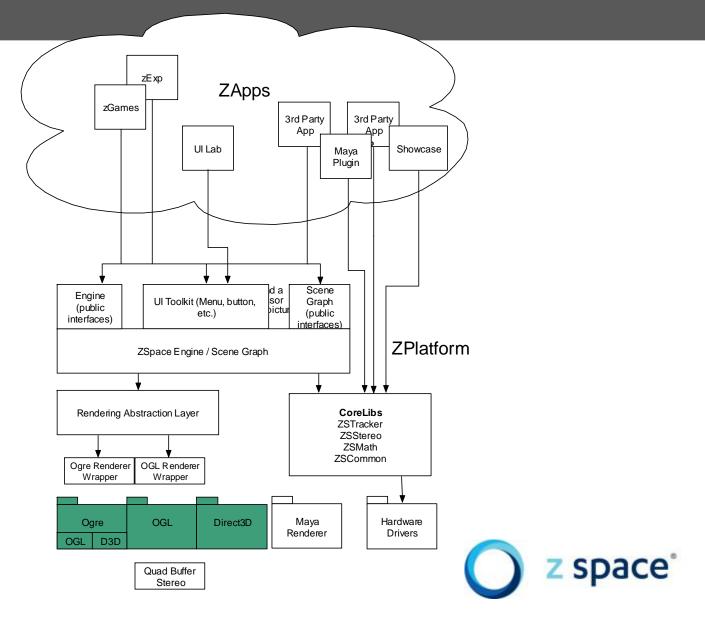




THE SYSTEM



SW Architecture



What's So Special About ZSpace?

- Head Tracking & Integration with ZSpace SW Engine
 - This provides accurate motion parallax, which is a very stereo powerful cue.
- Passive Eyewear with Minimal Ghosting
- Stylus Enables Direct Interaction in 3D Volume
 - As if it were "real"



THE DISPLAY

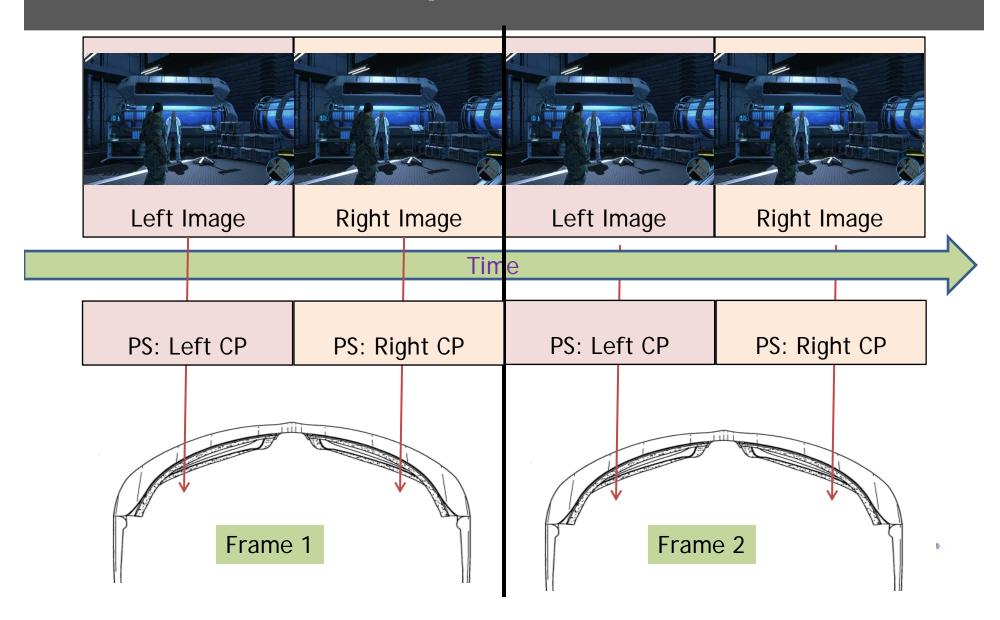


Display Architecture

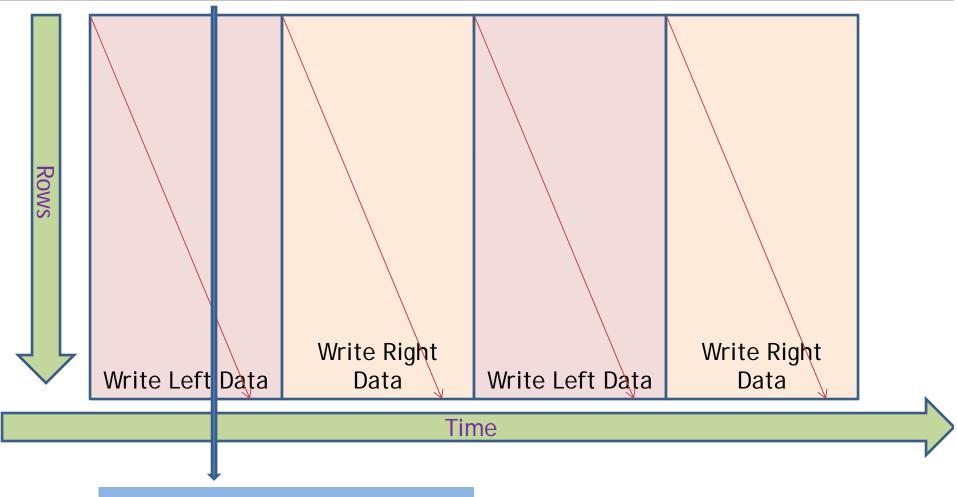
- Time Sequential Stereo
- Full HD 120 Hz 24" AMLCD
- Passive Eyewear
- Pulsed Segmented LED Backlight
- Segmented Polarization Switch (Active Retarder) using Circularly Polarized Light



Time Sequential Stereo



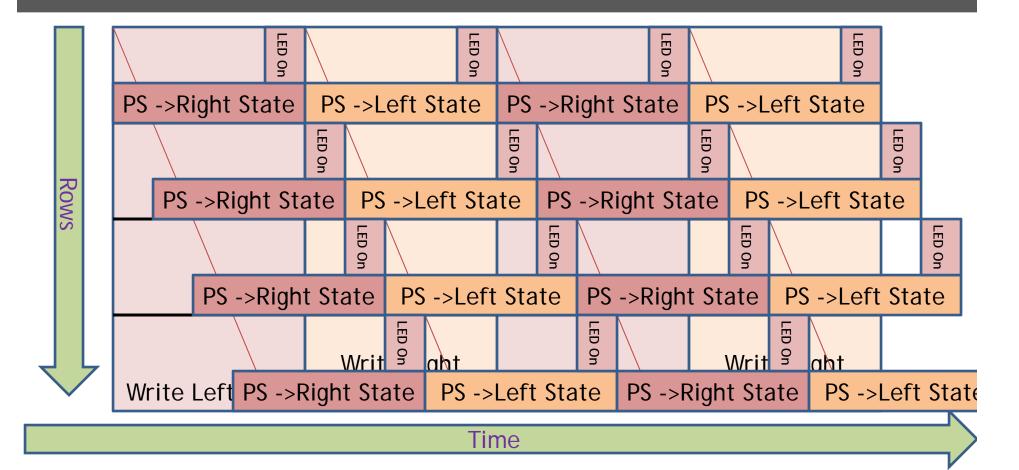
Progressive Scan



What data is on panel right now?



Segmentation





Challenges

- LC Response Time
 - Getting Better All The Time (and then there is OLED)
- Viewing Angle
 - AMLCD, PS, Eyewear
- Polarization Control From AMLCD to Eye
 - So Many Ways to Screw It Up
- Timing Optimization
 - Lots of Knobs to Turn
- Ghostbusting
 - A Black Art



THE DEMO & QUESTIONS

