

Trade-offs in Light Field Streaming,
Processing and Display Requirements
for High and Low Fidelity Applications

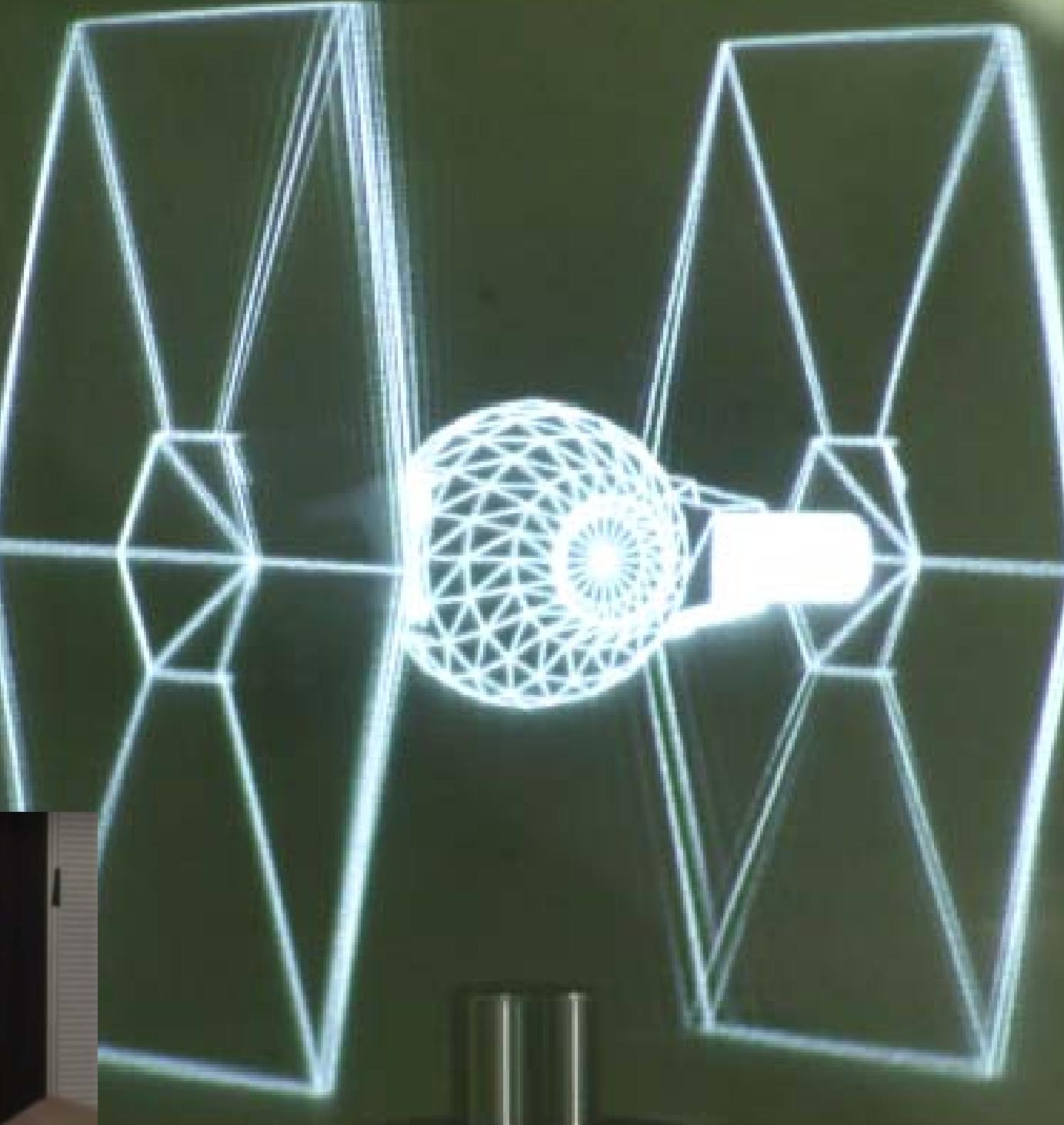
Holochip Corporation



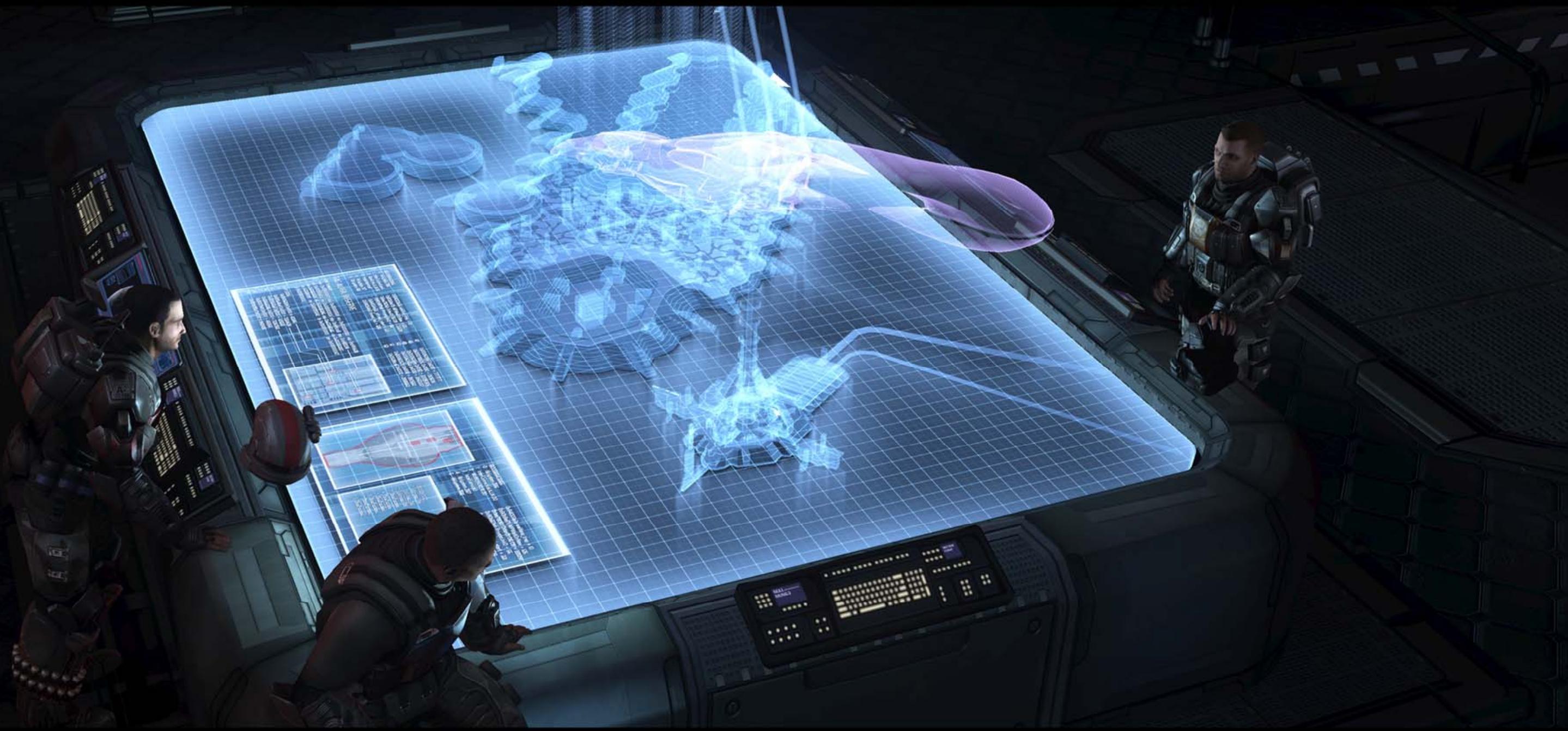
Avatar – 20th Century Fox



Iron Man 2 - Paramount Pictures Corporation



Vision & Graphics Lab - USC

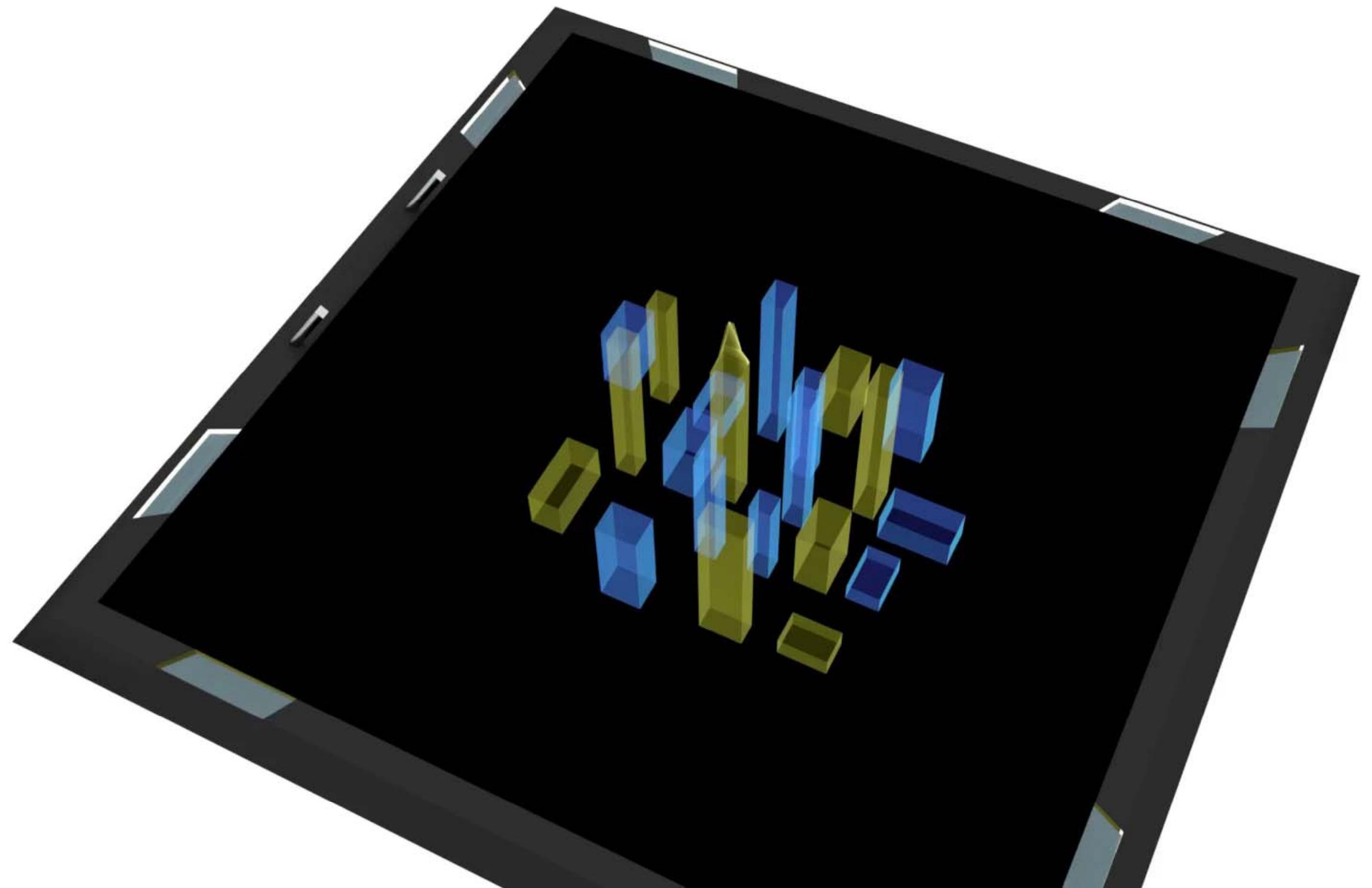


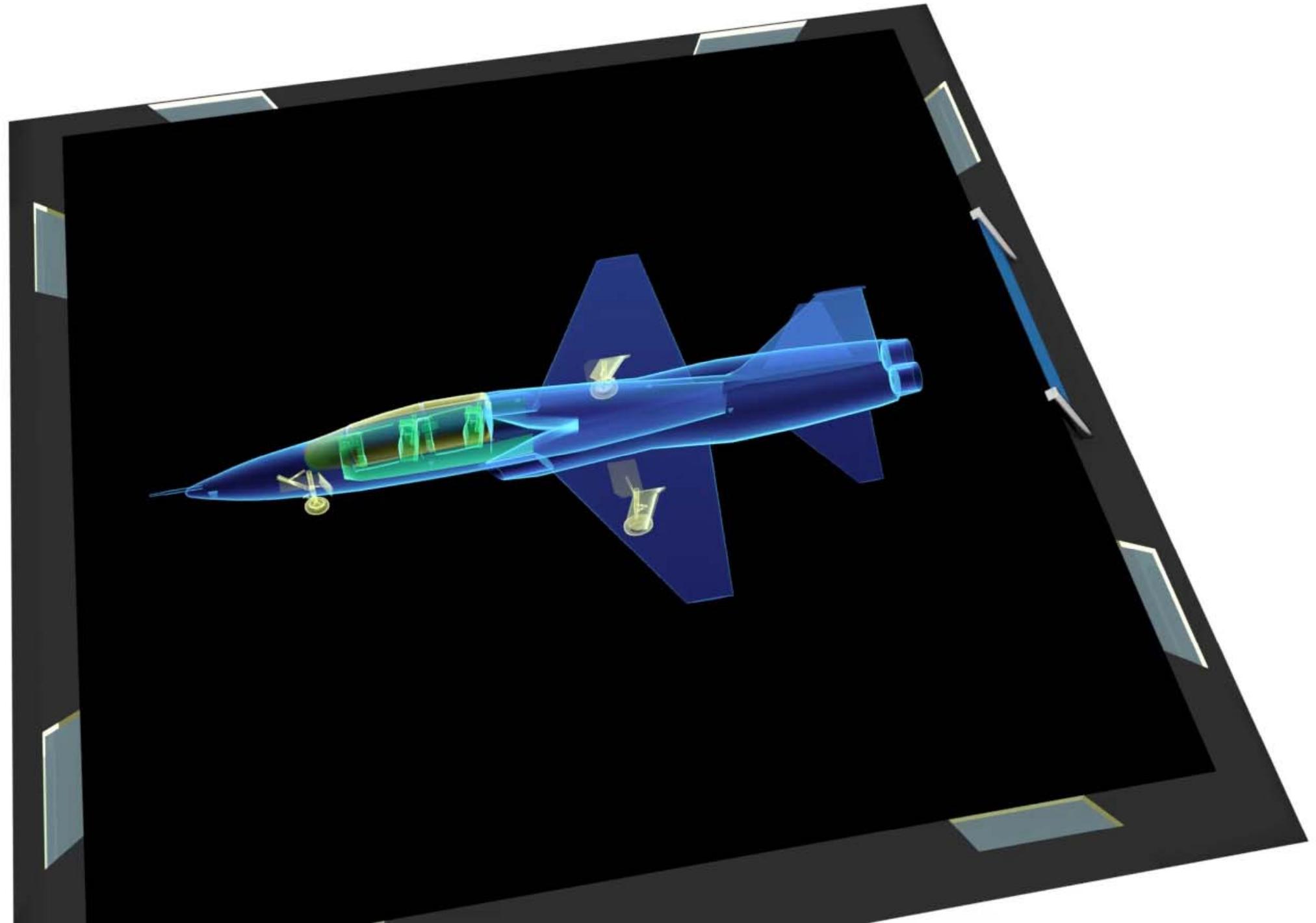


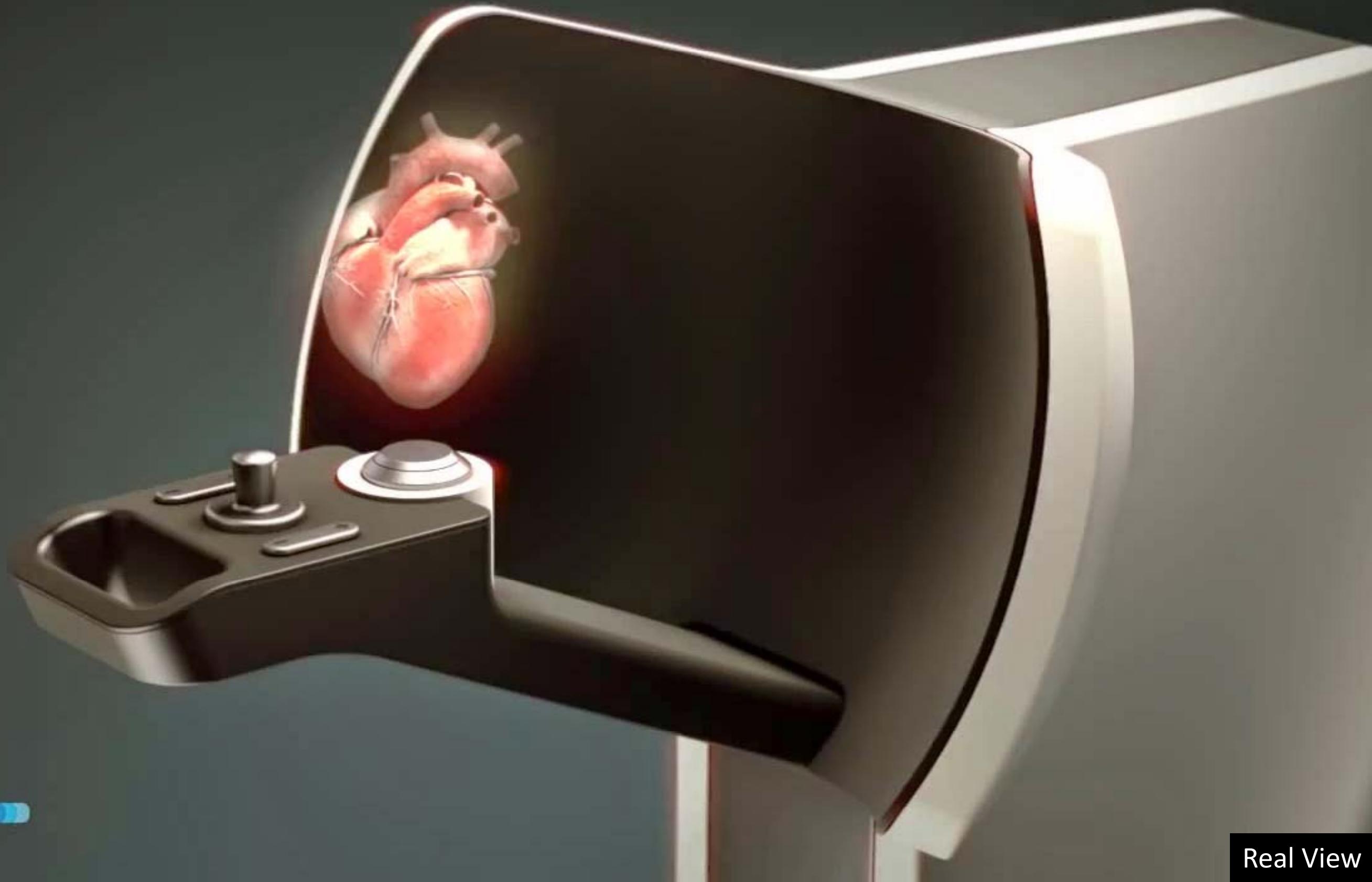
Euclideon



Prometheus 20th Century Fox



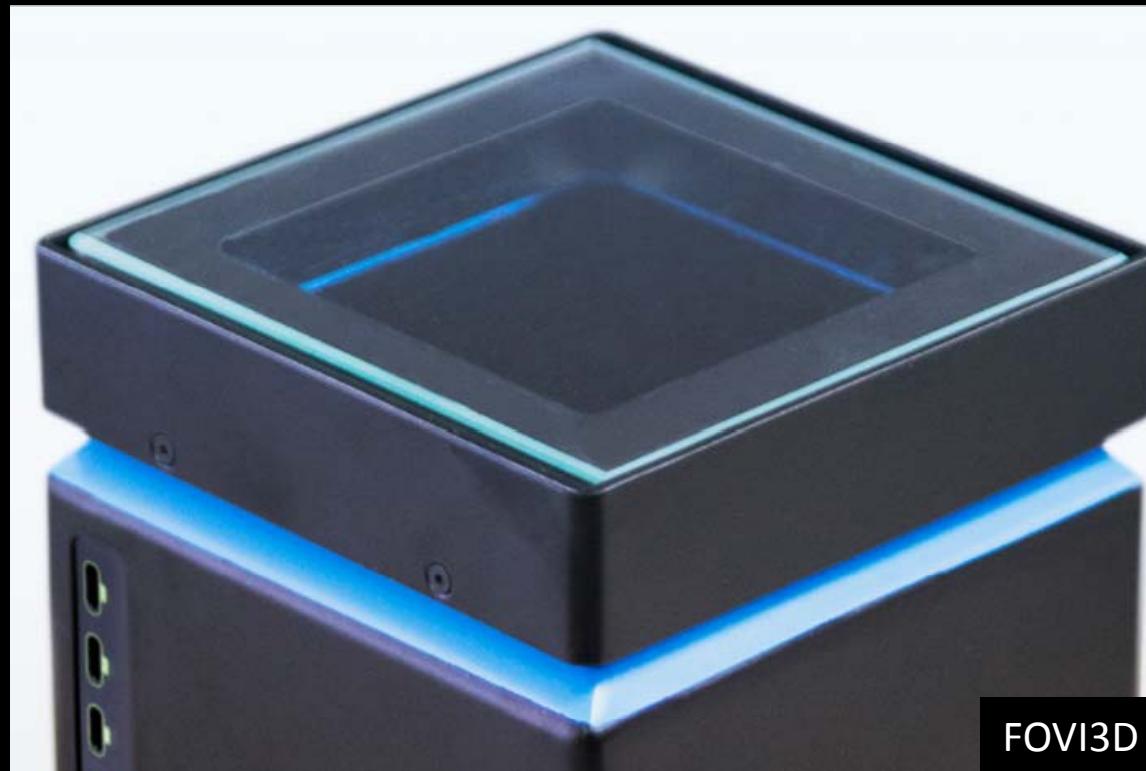




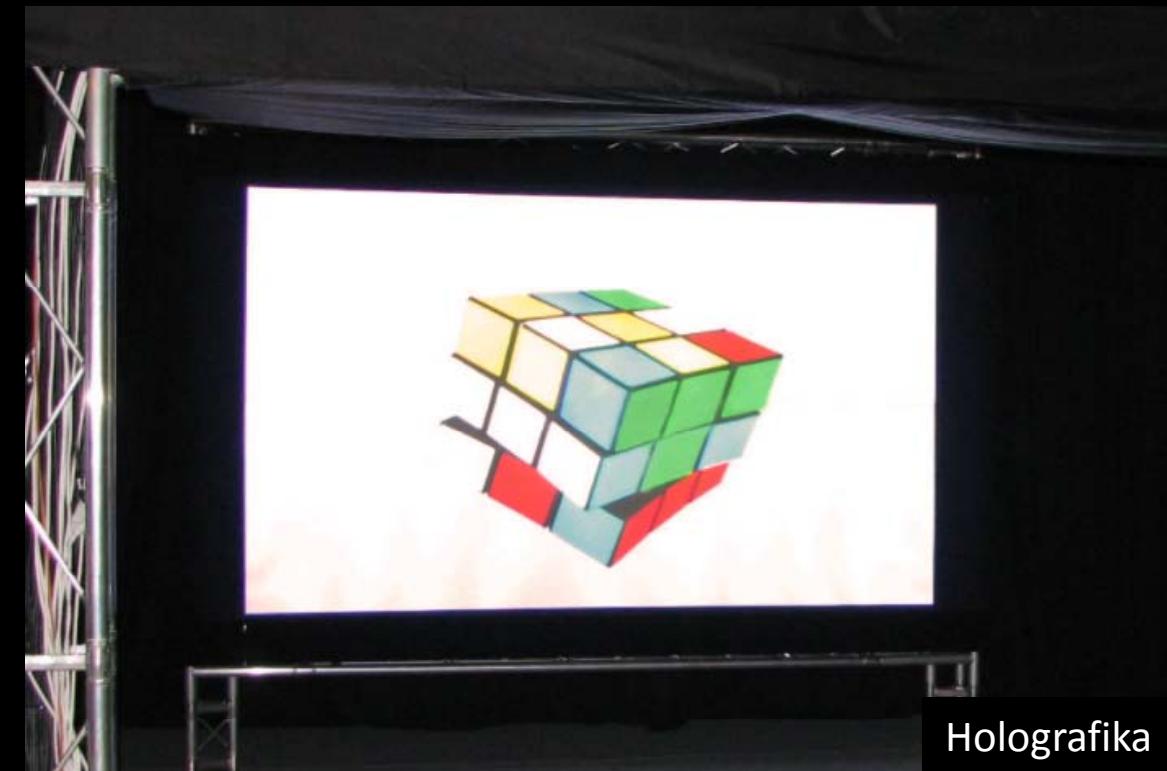
realView

Real View

Light Field – High Fidelity



FOVI3D



Holografika

Light Field - Low Fidelity

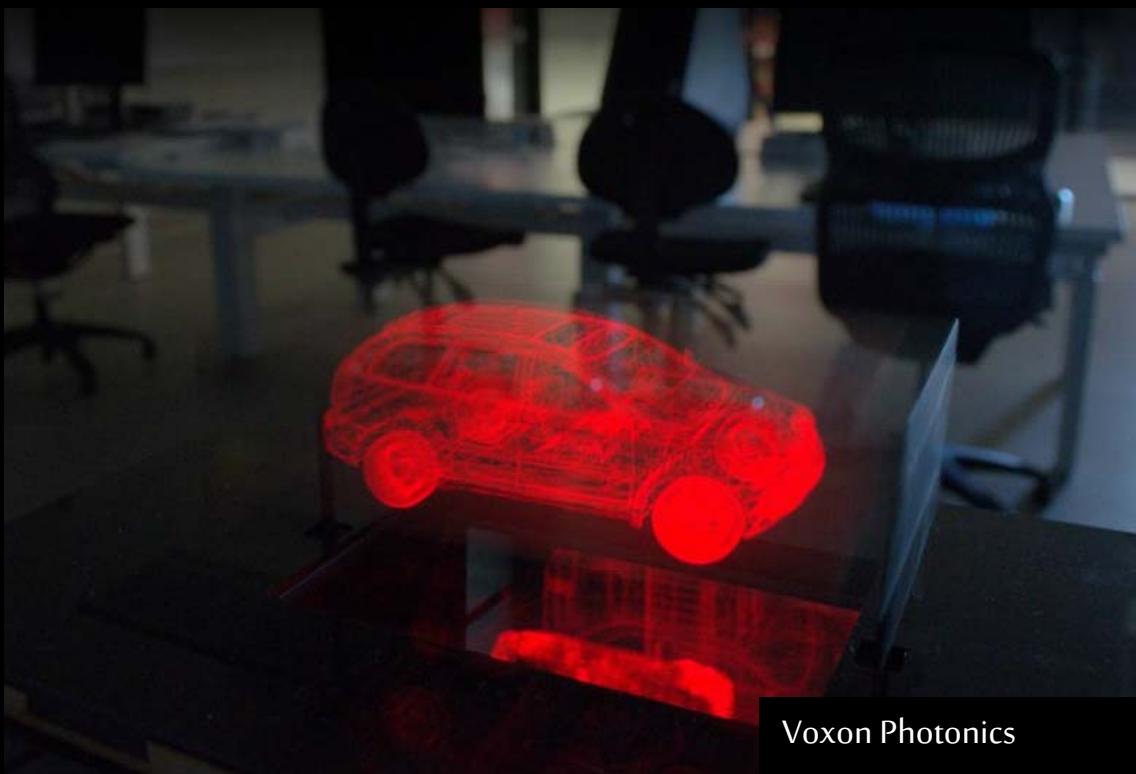
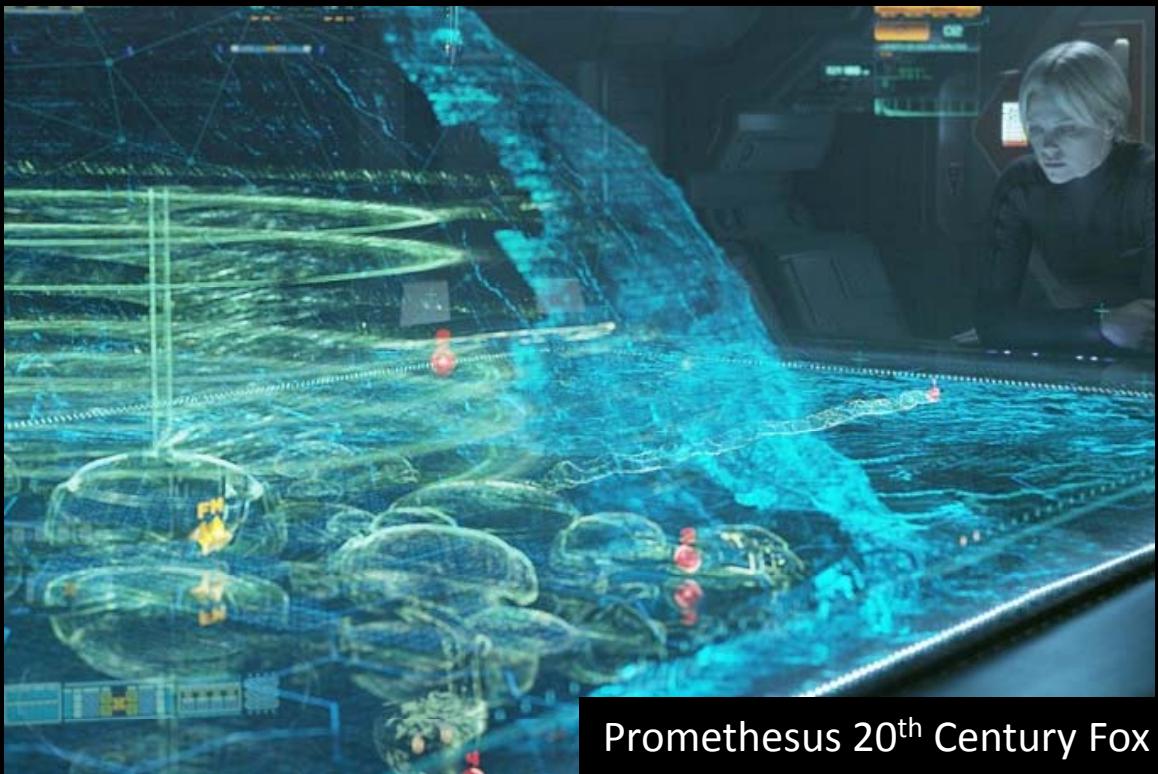


RED/Leia



Looking Glass Factory

Light Field - Volumetric



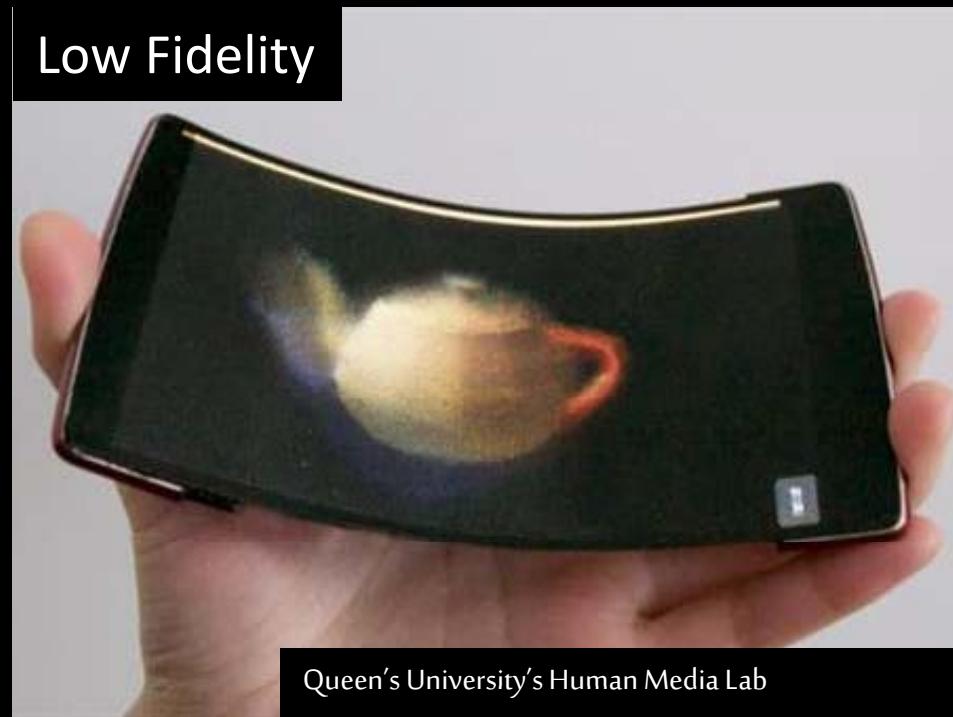
Different Displays Same Standard

High Fidelity



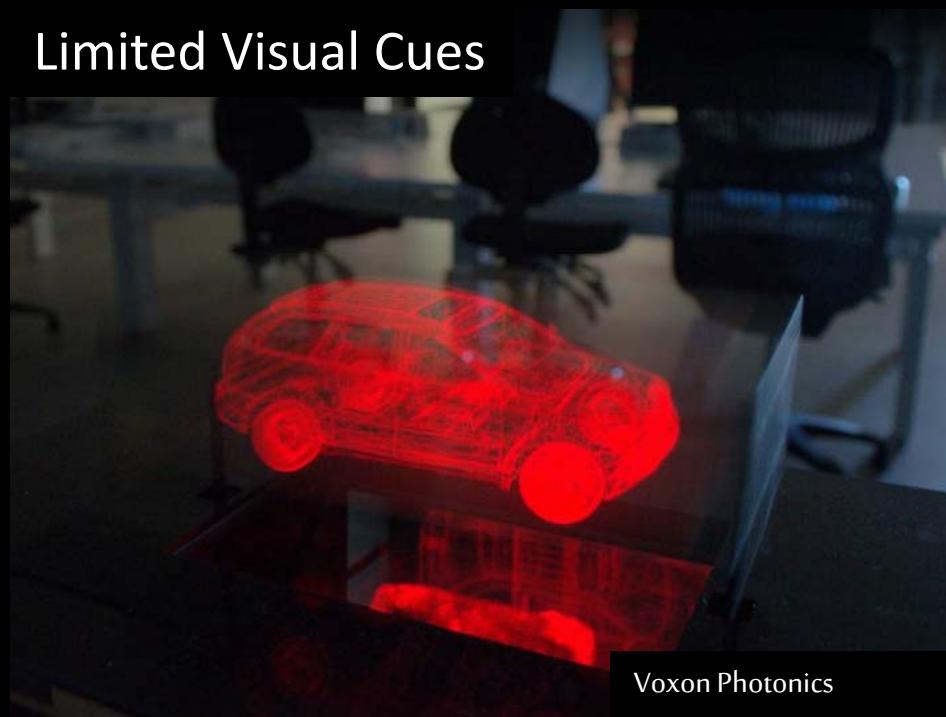
Kasiopy: cgtrader.com

Low Fidelity



Queen's University's Human Media Lab

Limited Visual Cues



Voxon Photonics