

Voumetric Camera Systems

Capturing cinematic quality holograms to make the virtual world indistinguishable from the real world.

Tobias Chen



"This 360 video is cool, but I really wish I could walk around in here".

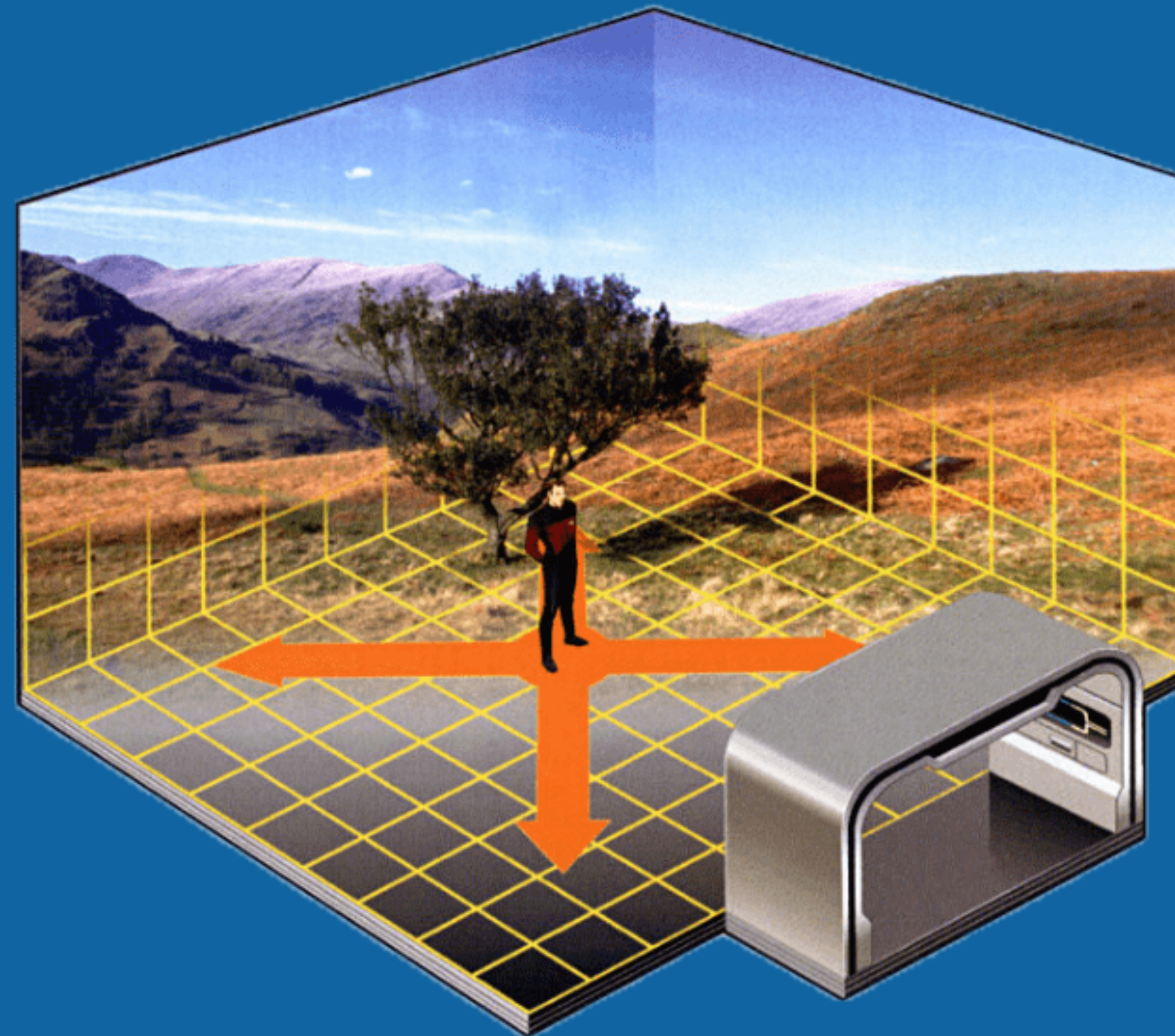
360 videos are not immersive because the world is not flat.

What is Volumetric Video?

360 VR video = look around in different directions

Volumetric VR video = look and **walk around inside the video**, while it's playing

We have been able to apply this technology, not only for **entertainment** and **games**, but also for **architecture**, building inspection modeling(**BIM**), **educational content** and **procedural surgery training**.



Capturing high quality content for VR/AR is hard

(The Problem)



Volumetric capture today is **expensive**.
(ie: Microsoft charges \$10,000 -
\$20,000USD per minute).



Despite the high price, output today
still looks like a video game character.
Not photo-real.



All systems today are locked to a giant
green screen stage, with a large crew
and huge overhead costs. **Not
portable.**

Feel the difference?



MICROSOFT QUALITY



OUR QUALITY

Our systems solve this problem

(The Solution)



Our capture services exist at a **lower pricepoint** than any competitor.



Unmatched "**Cinematic Quality**".



Lightweight and **portable**.



Shoot anywhere, **no green screen** needed.



No large crew needed to operate.



Platform agnostic cross-compatibility for delivery. Oculus, Vive, or Looking Glass

Recording People + Environments for VR / AR / XR

Compatible with Looking Glass + Windows Mixed Reality Headset



Looking Glass Light Field Display



Why this is effective?



Cross-platform integration with existing 3D platforms that already have many users. (ie: Sketchfab, Facebook)



Fast processing with **scalable cloud-based** systems.



Using a novel pre-trained **neural net** to enhance our data with machine learning.



Dynamic compression enables **device agnostic cross compatibility**. Not limited to Mobile Phone/VR/AR headsets.

Our Track Record

(Non-NDA Clientele)



(Deliverable: Custom 6K VR Drone Camera)



(Deliverable: Custom pipeline for Volumetric
Room Capture+Visualization)



(Deliverable: Custom VR camera system)



(Deliverable: Custom live-streaming VR camera
system for Crown Cup event)



(Deliverable: Custom Stereo 180 Camera +
Custom VR Drone Camera)

Others need Cameras + Computers

NOT PORTABLE



Microsoft's Seattle Volcap



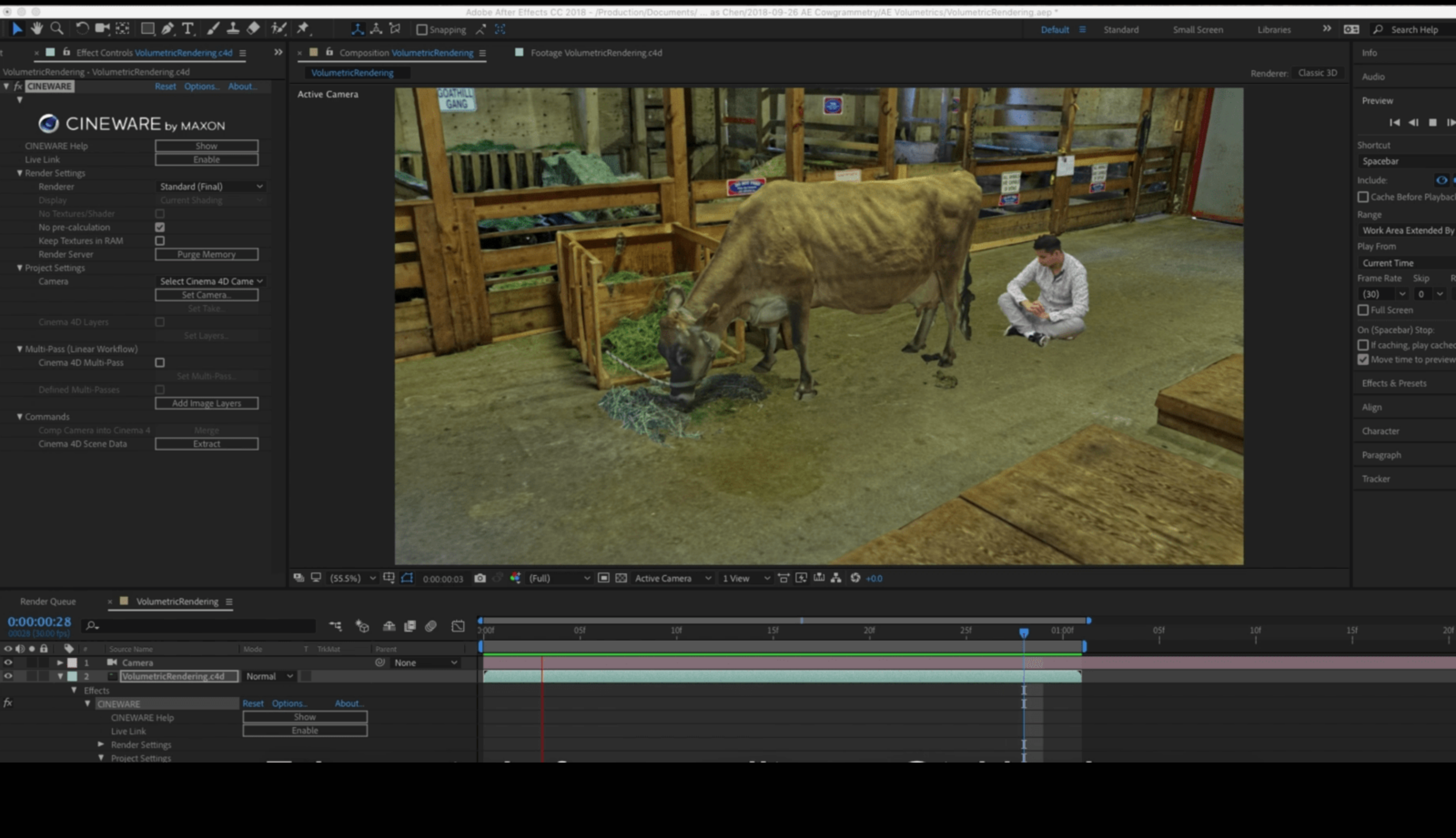
Microsoft's Metastage Volcap



EXIT

Sheep

DA
GO



Expandable System

Use in any config



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The logo for BorisFX features the word "BORIS" in a large, white, sans-serif font. The letters are partially covered by a bright blue rectangular shape that has a diagonal cut on its right side. To the right of "BORIS" is the word "FX" in a smaller, dark grey, sans-serif font.

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