

Web-based Mixed Reality - A broader geometry



Who am I?

Rob Manson

CEO & co-founder of <https://awe.media>



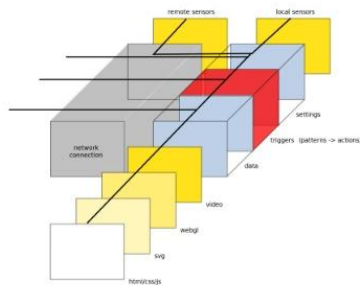
Create, view and share
Virtual & Augmented Reality
using the web, on any device

Who am I?

Rob Manson

The original evangelist for Mixed Reality using open web standards

ARStandards Workshop in Seoul 2010



Patterns of Interest Proposal – Rob Manson



An Invited Expert with the W3C, Khronos Group & ISO
Co-editor of the WebRTC mediacapture-depth specification

BTW: This month is #OctoVR

\$399 USD
€399 EUR
¥44,980 JPY

OCTOBER 2016

MANUFACTURER'S SUGGESTED RETAIL PRICE

oculus / conn3ct

October 5th - 7th, San Jose, CA



Daydream



What's the big idea?

Now is a perfect time to step back and take
a big picture view of mixed reality on the web.

A time to agree on a shared vision
for the shape of things to come.

What is Mixed Reality?



Geometry is important



Architecture shapes how we live



The geometry of technology shapes how we use it



With the camera obscura you traced the image

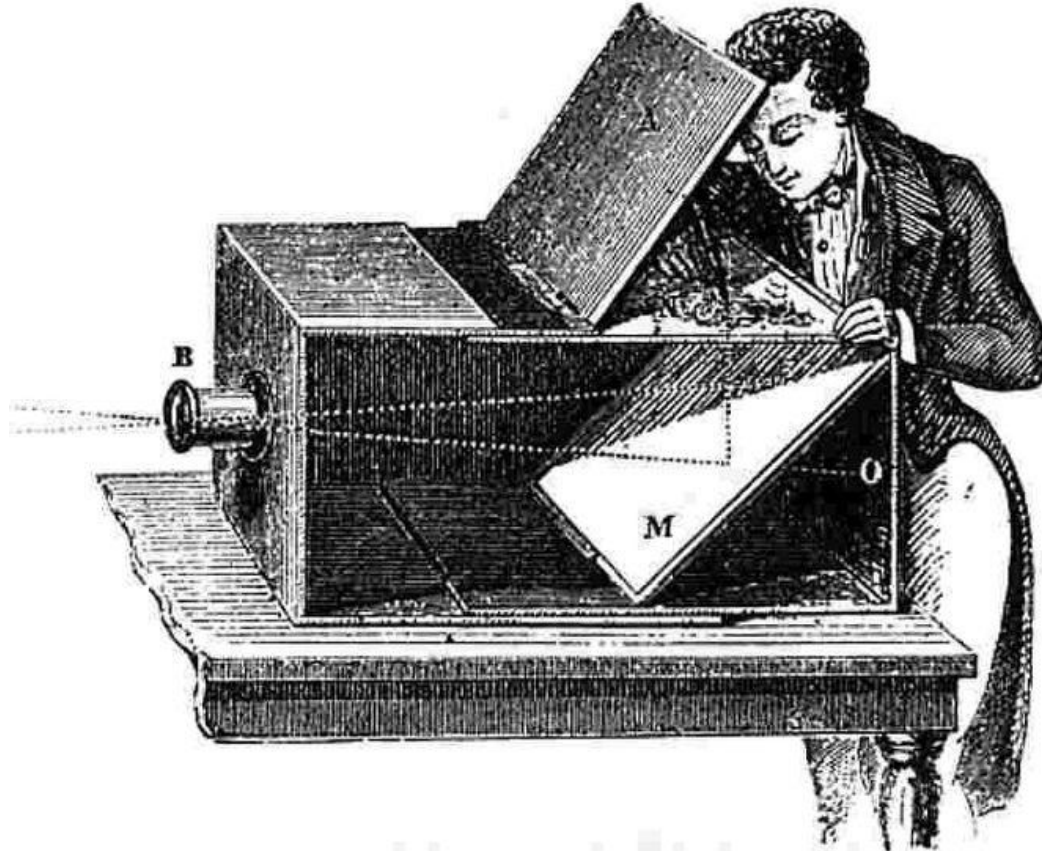


Plate cameras included a tent



The Box Brownie made us look down



New optics let us look through the camera



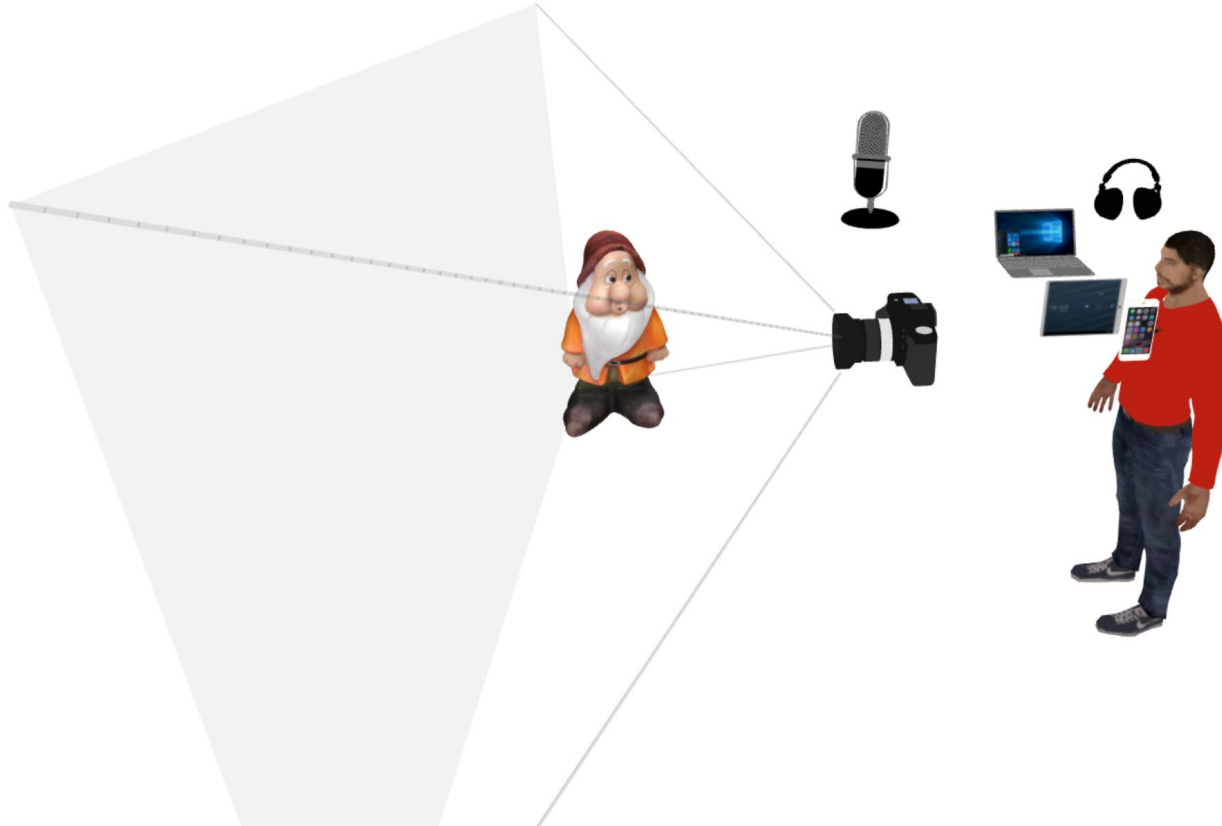
Digital displays let us look at arms length



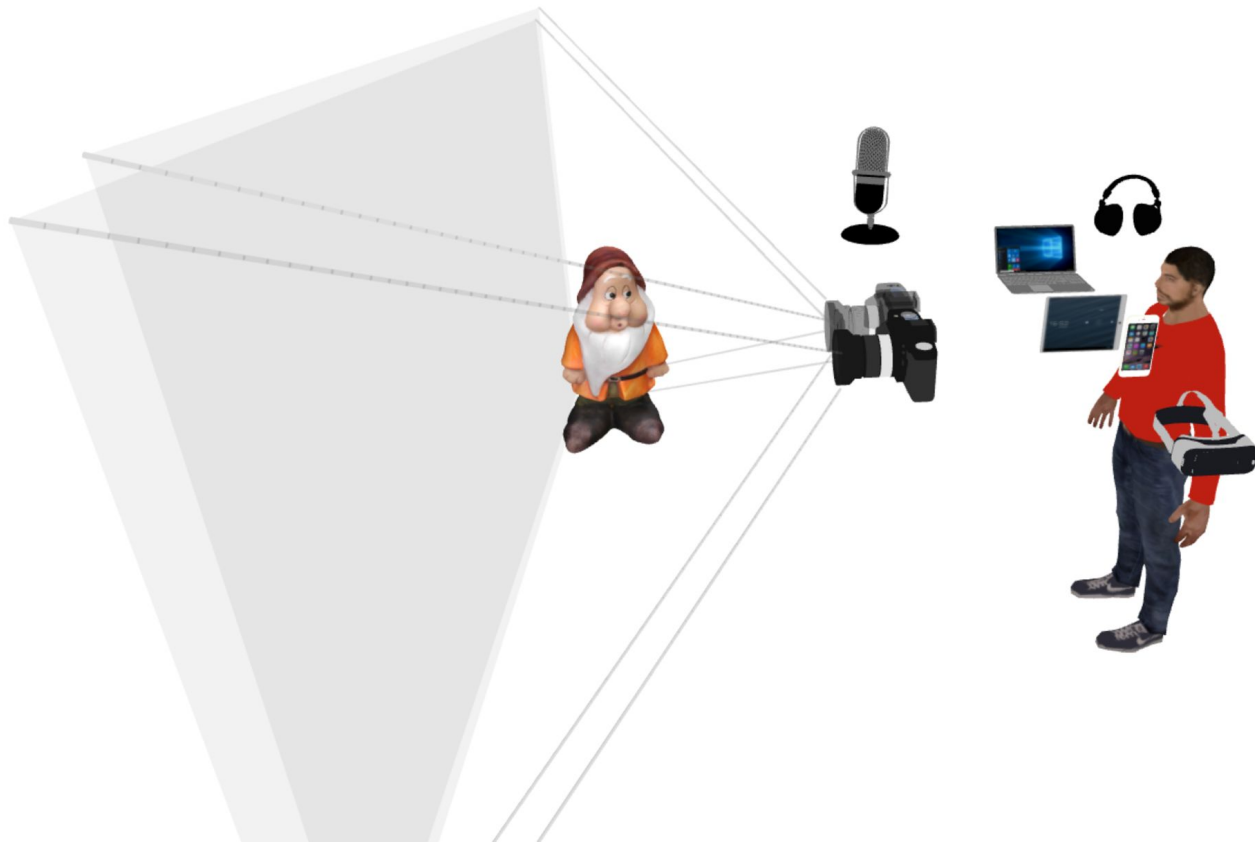
And now we turn our back and take selfies



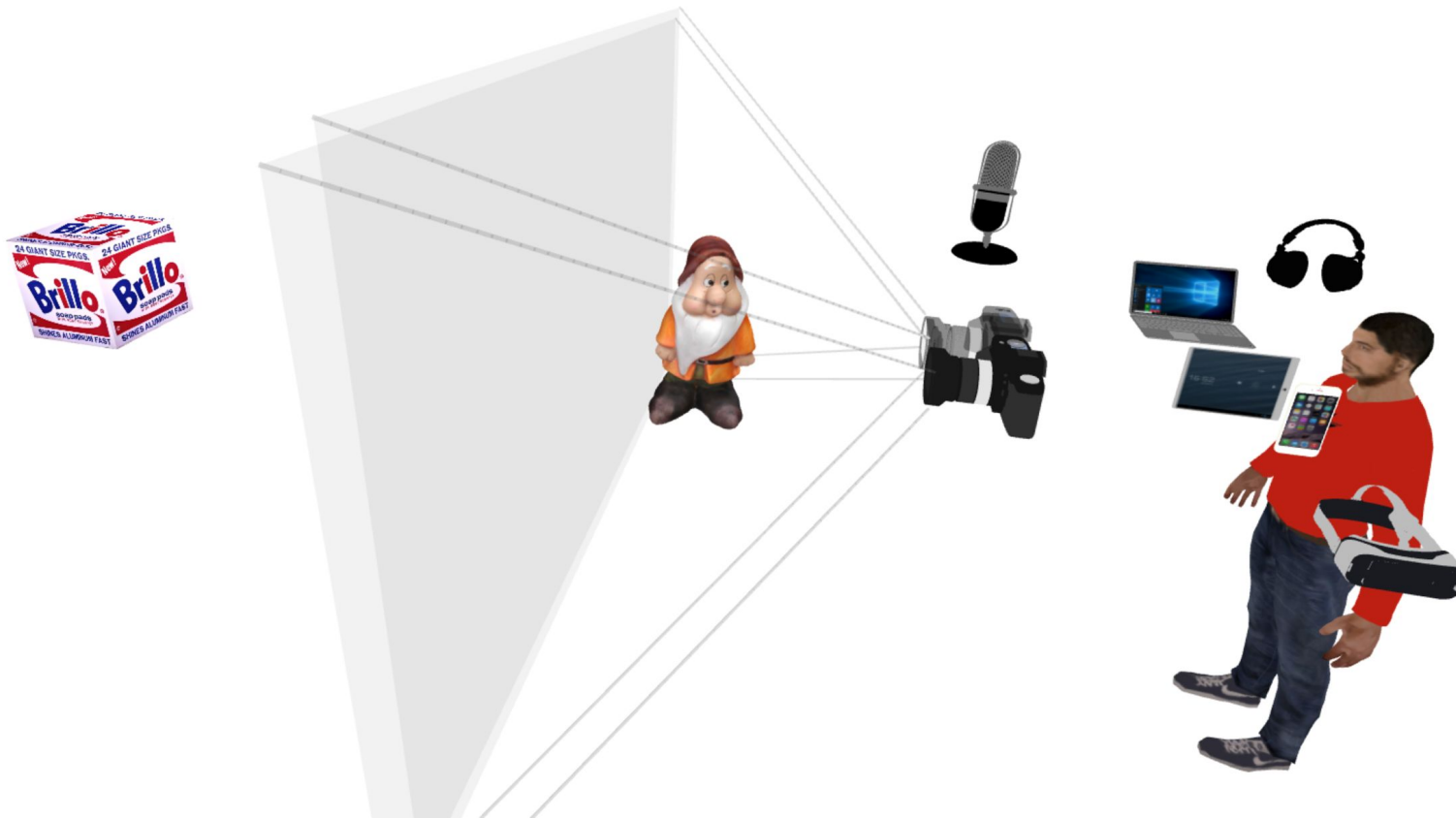
The geometry of spatial apps in HTML5



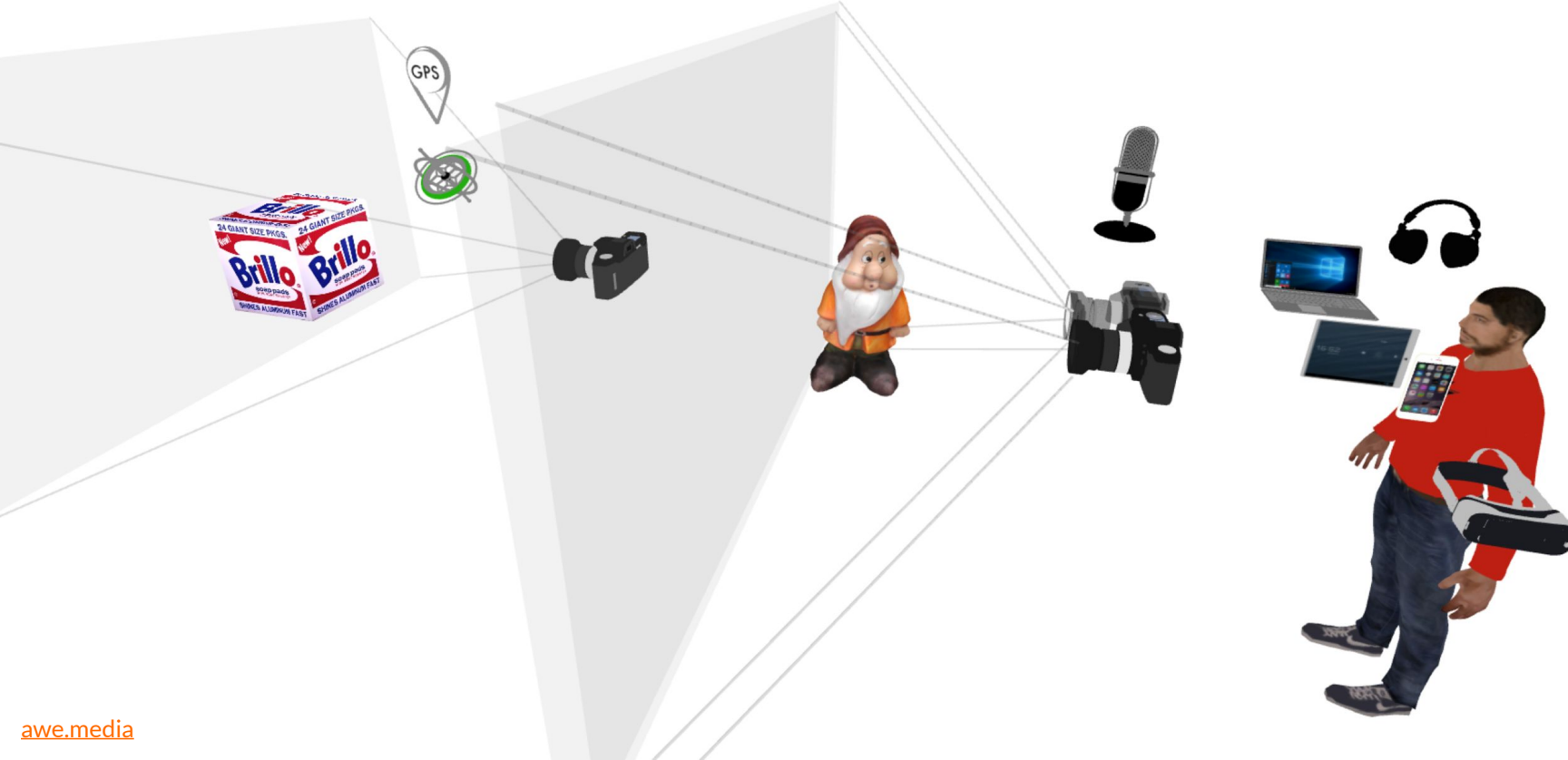
The geometry of spatial apps in WebVR



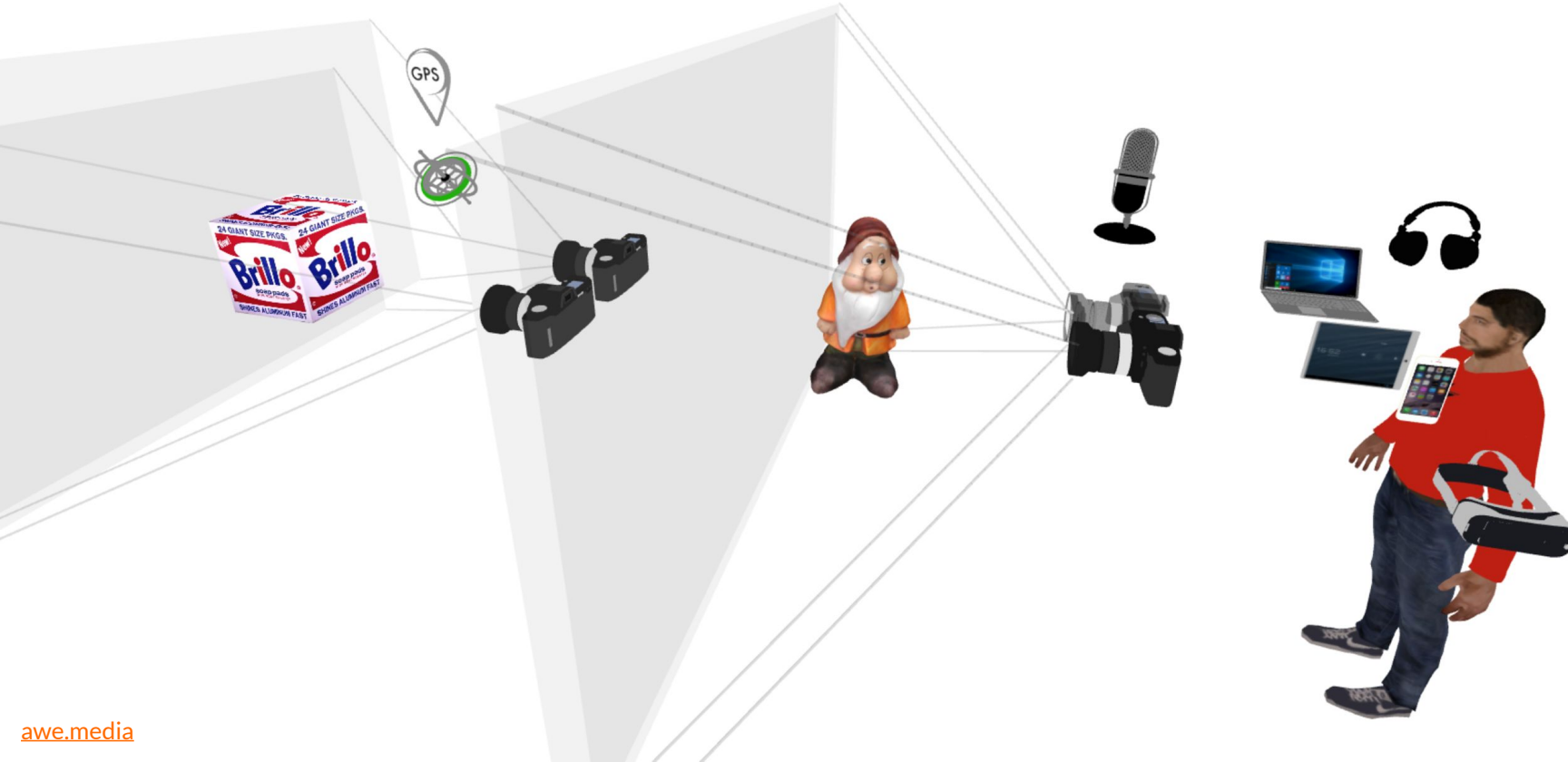
But objects in the real world lay beyond “far”



There are already APIs to bring in the world



And an API to add some real depth



One integrated view - WGs, Developers & Users



Tile Requests

360° photos & videos are
the 'map tiles' of this new world

2000 km

awe.media

Image Credit

Interactive 360° photos & videos

GATEWAY DRUG

A DRUG THAT CAUSES ADDICTION FOR OTHER DRUGS

Rob Manson

CEO & co-founder of <https://awe.media>



Make 360° photos & videos truly interactive
using the web, on any device