PROJECTION MAPPING

CHiKA + XY Feng

Guideline

- Inspirations
- Madmapper

break

- Syphon Coding
- Discussion

What is projection mapping?

Projection Mapping

Late 2000, Vjs, **visualists** started to explore video projection onto non-traditional surface.

Projection mapping is the technique of **projecting video** onto three dimensional and non-traditional projection surface.

The video is no longer a flat square on the wall but becomes **an object in space** and the result can be surprisingly effective and eye catching.
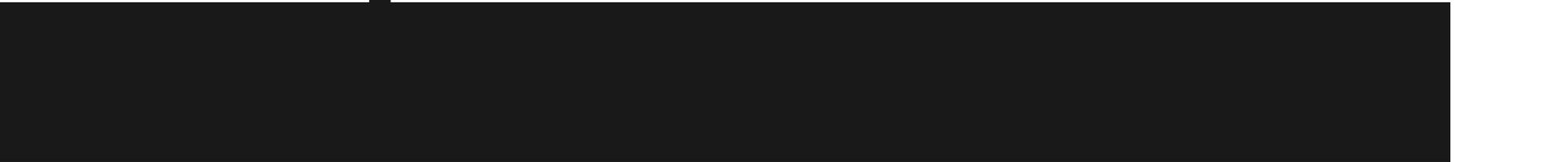
How to do it

Use Projectors to **cover** the whole space

+

Map video contents onto the projections

Inspirations

Project on a **flat surface** to **transform** the 'space'

Inspirations
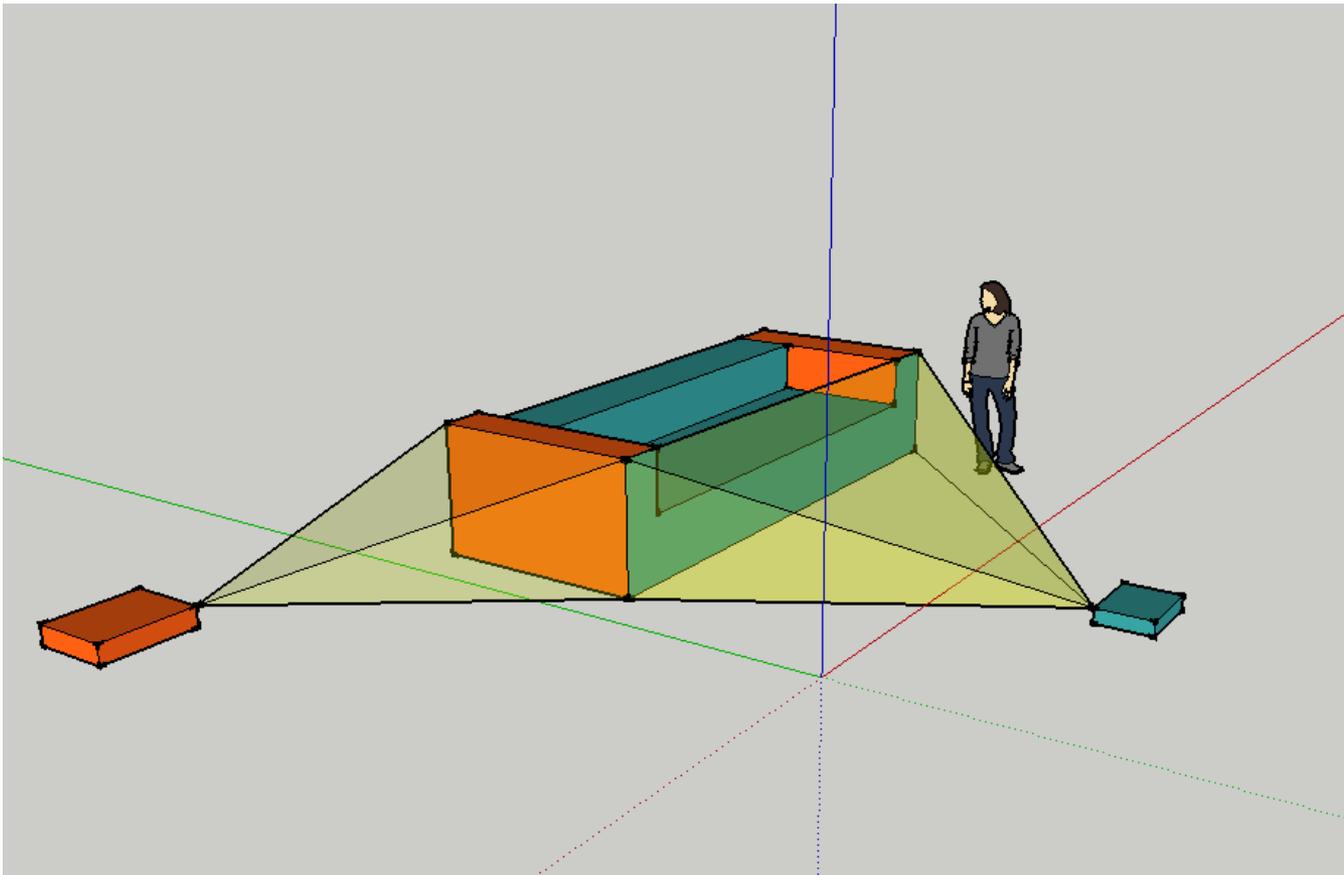
Mr.Beam Living Room(*link*)

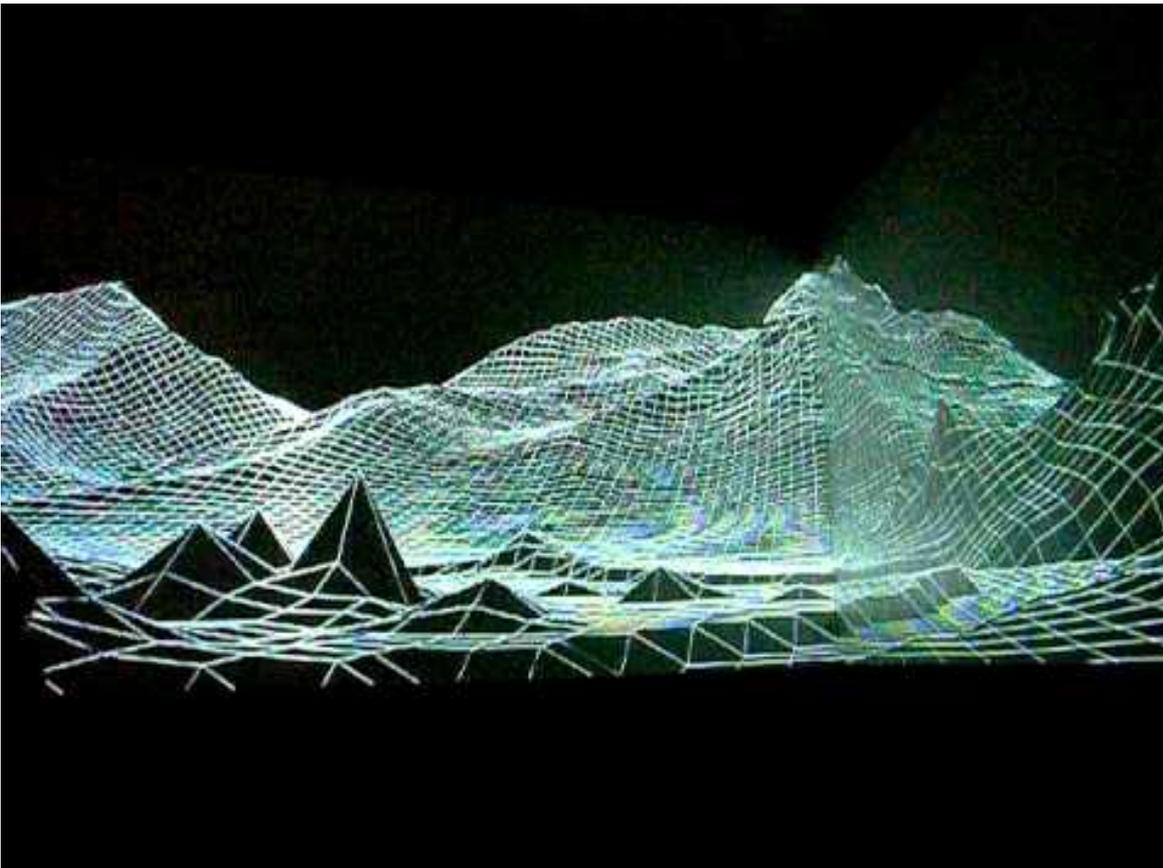**3D** Looking

2 projectors

How to make it

Mr.Beam Living Room

Inspirations

3D effect onto 2D Surface*(link)*

Website
AntiVJ

(*a visual label initiated by a group of European artists whose work is focused on the use of projected light and its influence on our perception.*
)

Project on a **non-flat blank canvas** to transform the 'space'

Inspirations

Amon Tobin DJ Tour Set*(link)*

Tour Visual

Amon Tobin's stage set.

Using **TouchDesign** **PC** only ($599)

Inspirations

Art Installation

Artist
Dev Harlan

combines the **physical** and the **virtual** with the use of **sculpture**, **light** and projection.
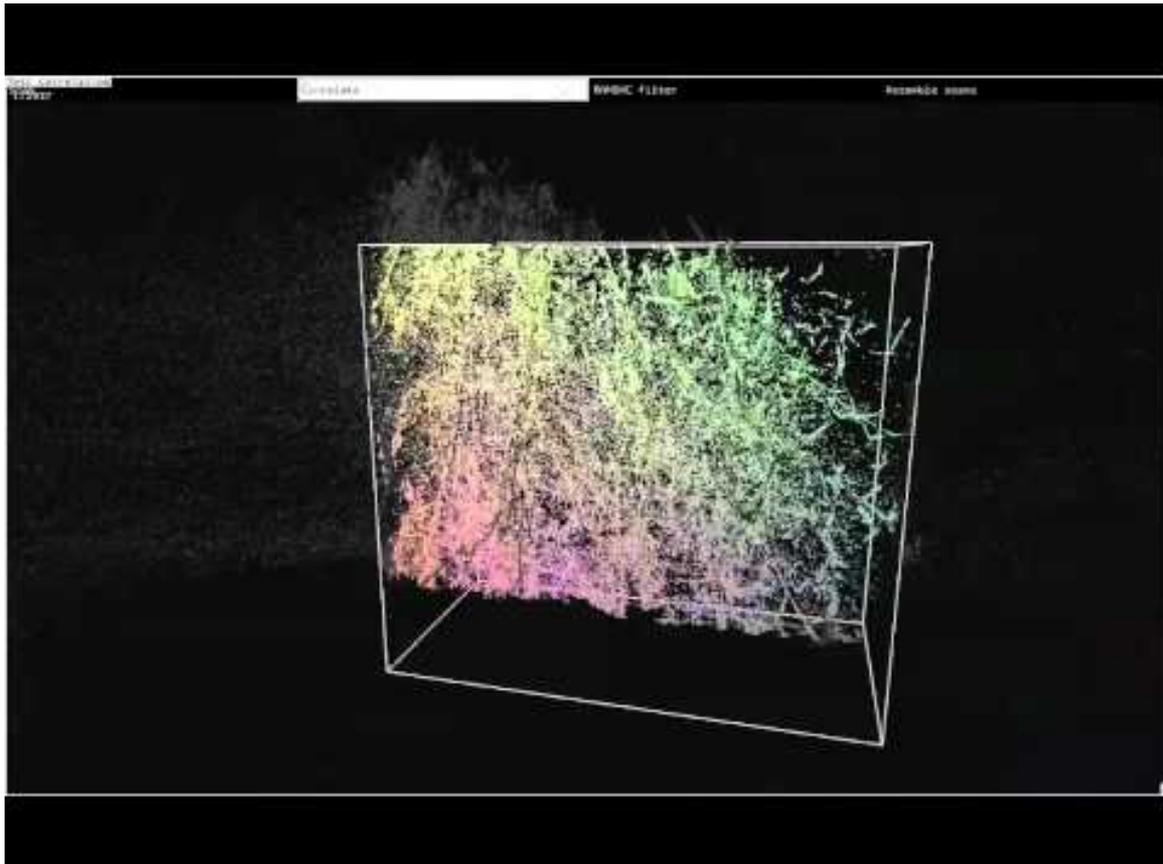
Inspirations

NO MORE CUBES!!!*(link)*

Project **eyes** onto eyelids

Project on **natural** objects / environments

Inspirations

Lit Tree (kimchiandchips)(*link*)

Real **3D**

Tech:
Structured light 3D scanning

Inspirations

Nike Water Projection *(link)*

Inspirations

Outdoor Projection *(link)*
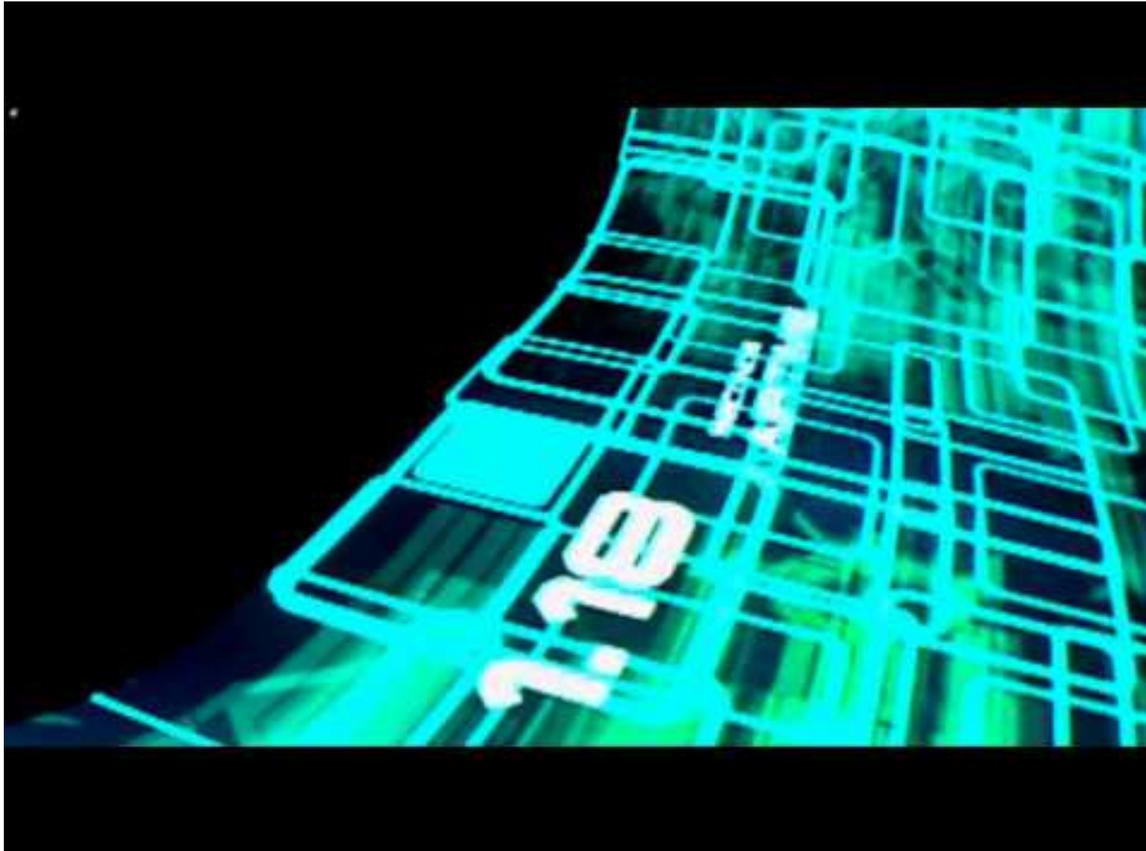

Brazil Artist
Vjsuave

combine digital animation, **street art** with "video mapping' with **urban** interventions.

Projection with **Interactions**

Inspirations

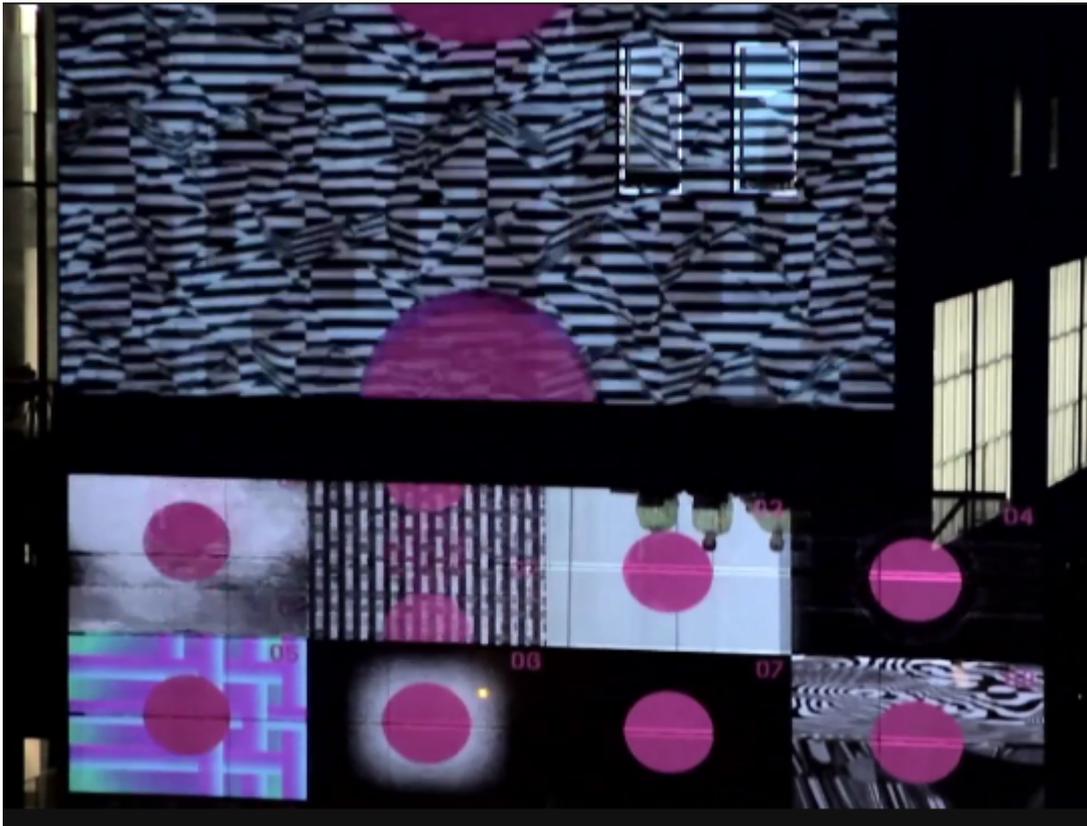**Tron Legacy Premiere** (*link*)

Infrared LED
+
Camera Tracking

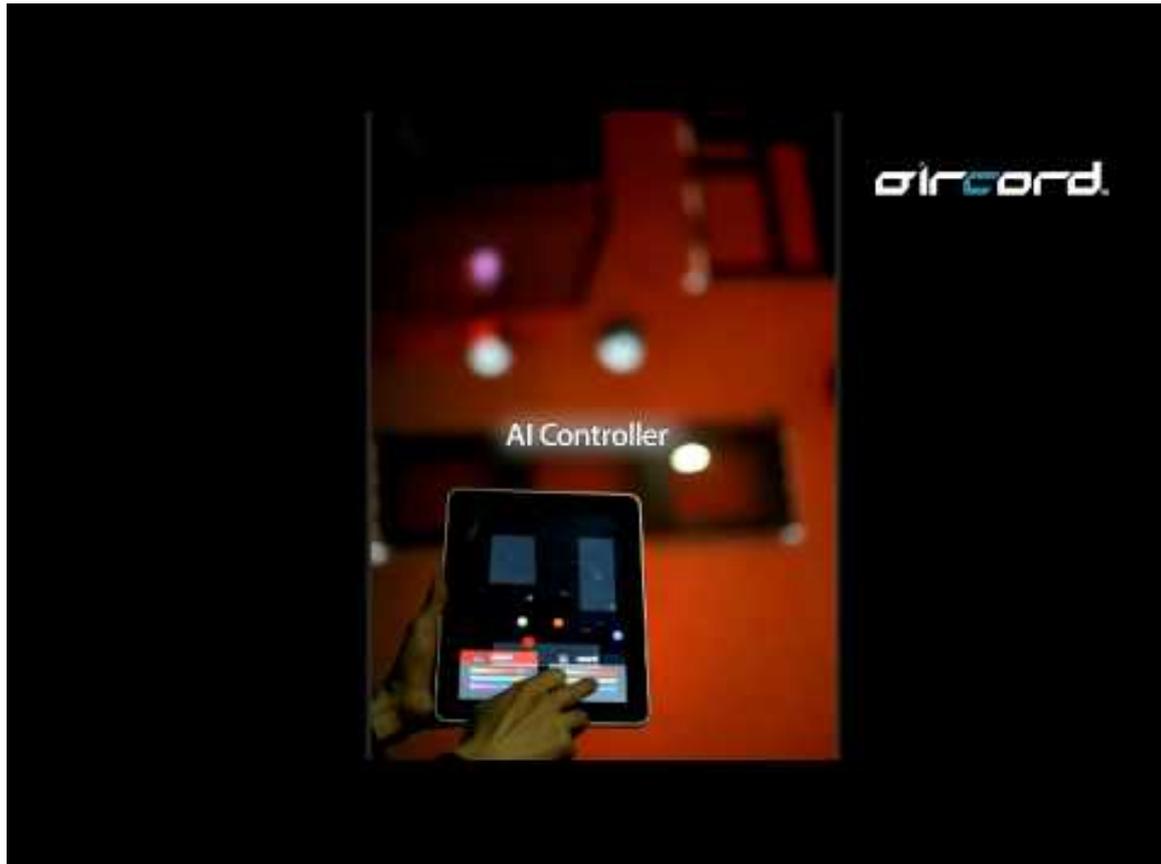Sound(contact mic)?

Inspirations

Interactive Installation

iphone through wifi

Mutek Festival

(International Festival of digital creativity an electronic music)

Inspirations

Mapping on iPad (link)

Projection in extreme conditions

Inspirations

Coca Cola 125th Anniversary([link])

Projector Arrays

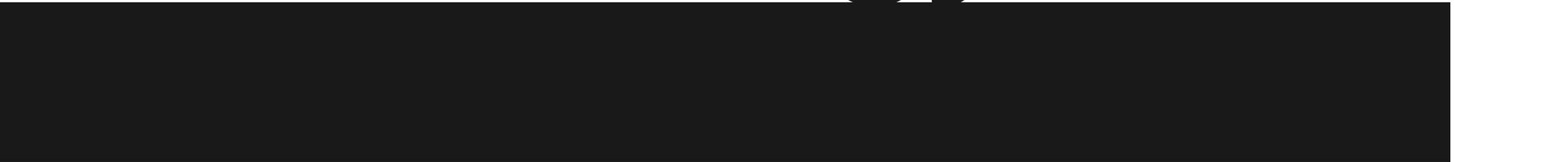**Each side**:
339ft x 157ft
210k square feet
45 projectors
1 million Lumen

Question

What if you have a **SUPER** projector can cover the entire Empire State building?

Technology

Software

MadMapper is collaboration between GarageCUBE and 1024 architecture. Mac only $390
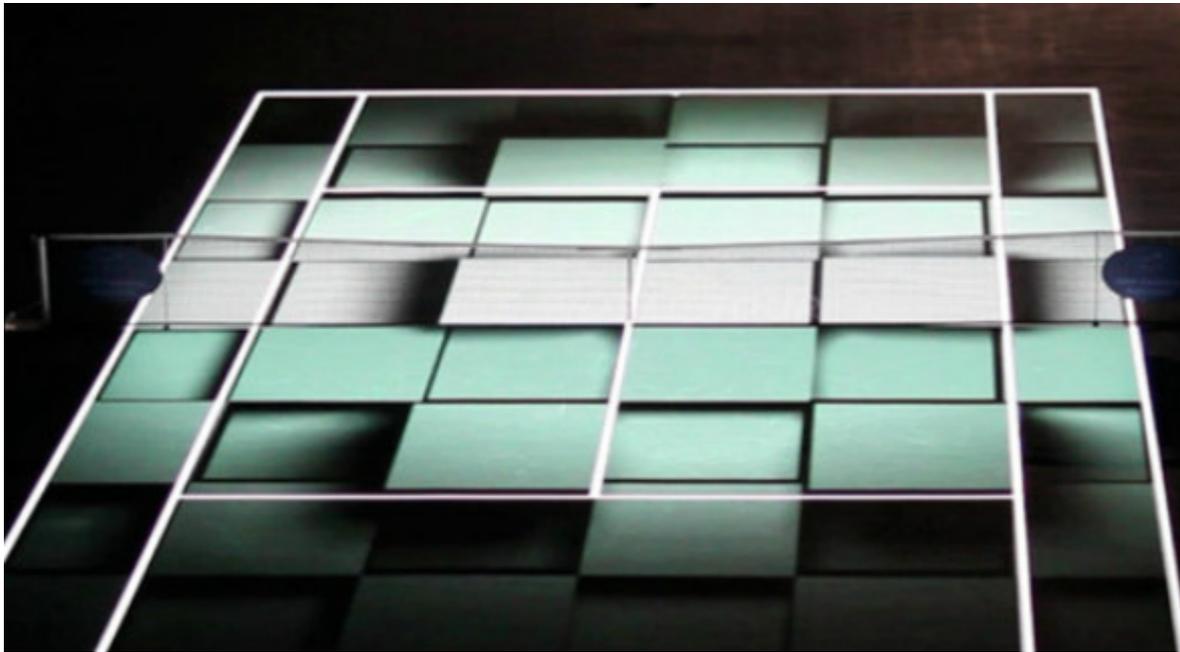
MD8 & Madmapper Demo

- Modul8 + Syphon+ Madmapper
- How to map projection onto a box
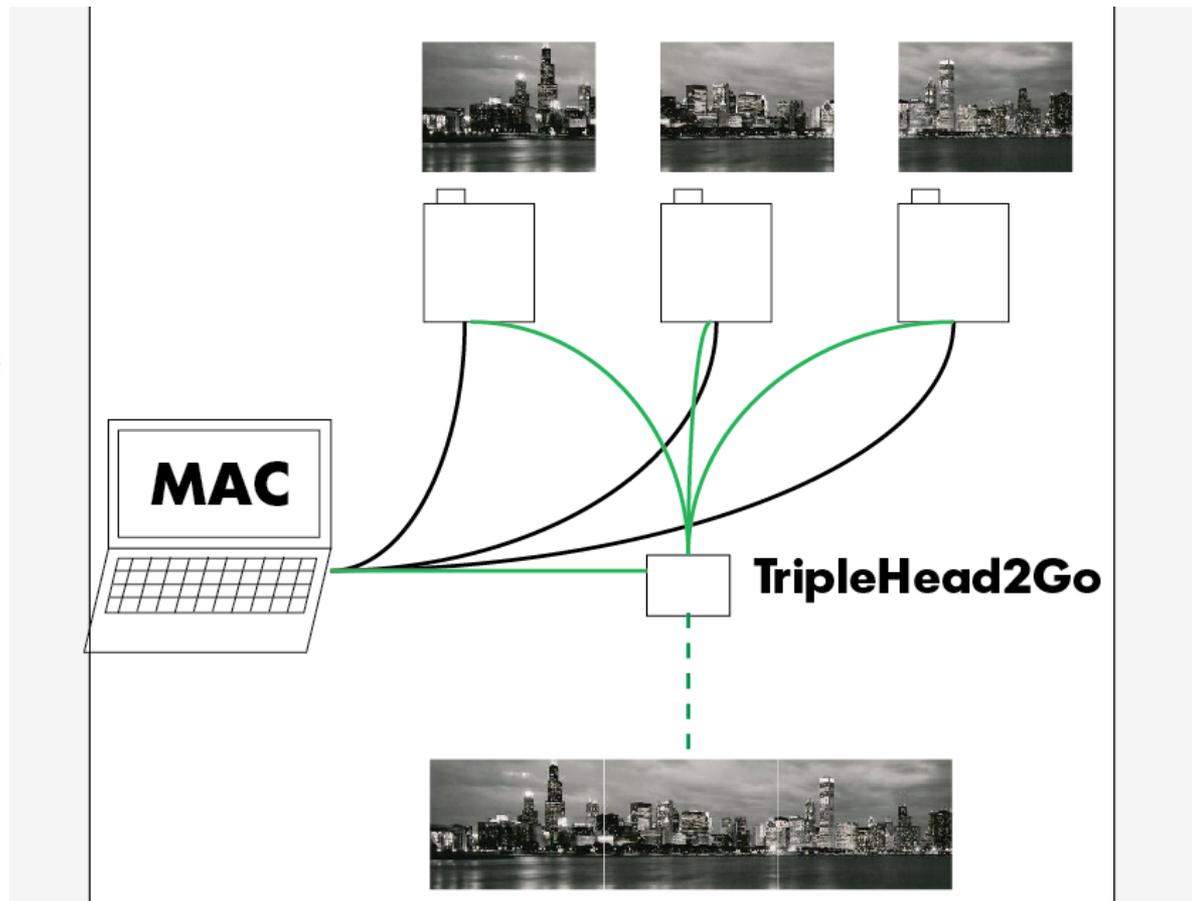
Software

MadMapper is collaboration between GarageCUBE and 1024 architecture. Mac only $390

1024 architecture

Hardware

TripleHead2Go

Software

Syphon

Your best friend of projection Mapping for Mac

- Modul8
- Quartz Composer
- VDMX 5
- Arkaos GrandVJ
- Arkaos MediaMaster
- OpenFrameworks
- Cinder
- MaxMsp/Jitter
- Unity3d
- Processing
- Resolume via FreeframeGL
- Isadora via Matthew Haber's Actor
- CellDNA
- COGE
- Plask
- AV Mixer Pro

Processing Demo

- [Syphon Library](#)

OF Demo

- **Syphon-Addons**
- **Bird Example**
- **steps**
  - **drag the addon fold into the project**
  - **add Syphon framework to target. link**

Resources

ITP

[RooftopFilms](#)

Vimeo Channel | [visualicous](#) |

FESTIVAL

[MAPPING FESTIVAL](#)

[MUTEK](#)

[LPM](#)

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