

## Cubepix



### *Keywords*

Cube  
Interactive real time  
Projection

### *Input*

Kinect

### *Output:*

Projection

### *Technology:*

Kinect  
Arduino Boards  
Open Frameworks

# Cubepix

## *Description:*

The interactive project, Cubepix, is developed by Xavi's Lab at Glassworks Barcelona. Cubepix is an interactive project that concerns interactive and real-time projection onto small cardboard boxes. 64 cardboard boxes are organized in a big square where they all together provide a pixelated image. Each cardboard box can turn around which adds movements to the experience of the projection.

The prototype, shown in the video above, consist of 64 cardboard boxes each with a motor that can turn the boxes around. A projector, a Microsoft Kinect, 8 Arduino Boards, and openFrameworks are used in the installation which allows the interaction between the movements of the user and the expression of the Cubepix installation.

Cubepix allows the user to interact and influence the way the boxes move and on which cubes different images and colors are projected.

## *Links:*

<http://digitalexperience.projects.cavi.dk/frontend/#>

<http://www.glassworksbarcelona.com/node/3227&search-type=all&term=all>

