NODE

SELF ORGANIZED PUBLIC COMMUNICATION PLATFORM

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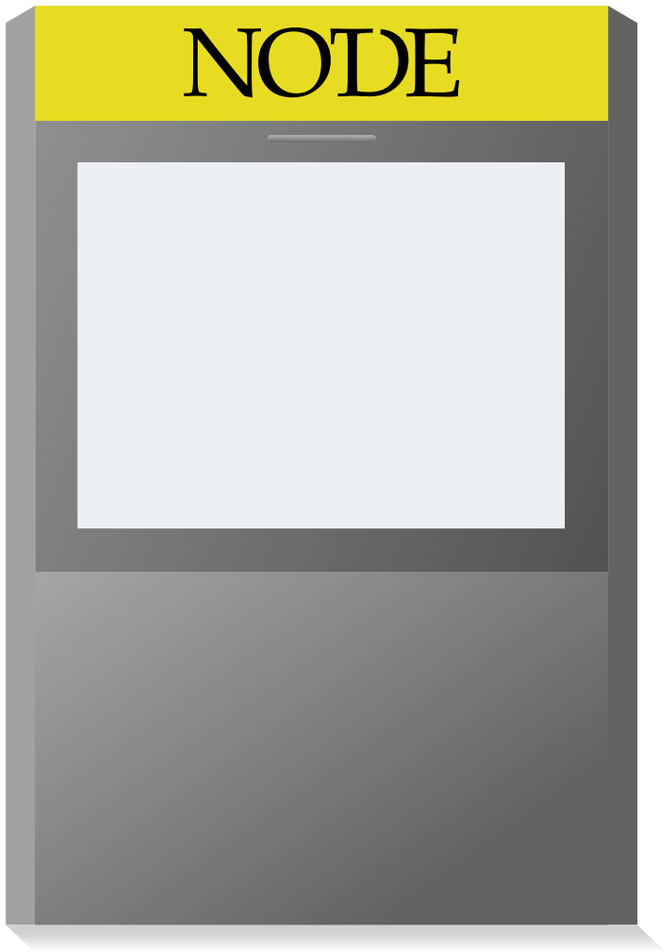
WHAT IS IT?

NOĐE is a public communication platform in the manner of a networked digital bill board.



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INSPIRATION

NOĐE is inspired by the ubiquity of high tech media facades, screens and illuminated advertising, all unidirectional channels mainly used for commercial content. It is as well inspired by the spreading of information in urban spaces done by the means of low-tech communication forms with a high amount of creativity such as flyers, announcements attached to lampposts and street art wallpapers.

NOĐE is a concept to bridge the gap between these two forms of communication. NOĐE gives everyone the possibility to spread announcements, greetings, spontaneous artworks or requests quickly with no limitations to creativity.

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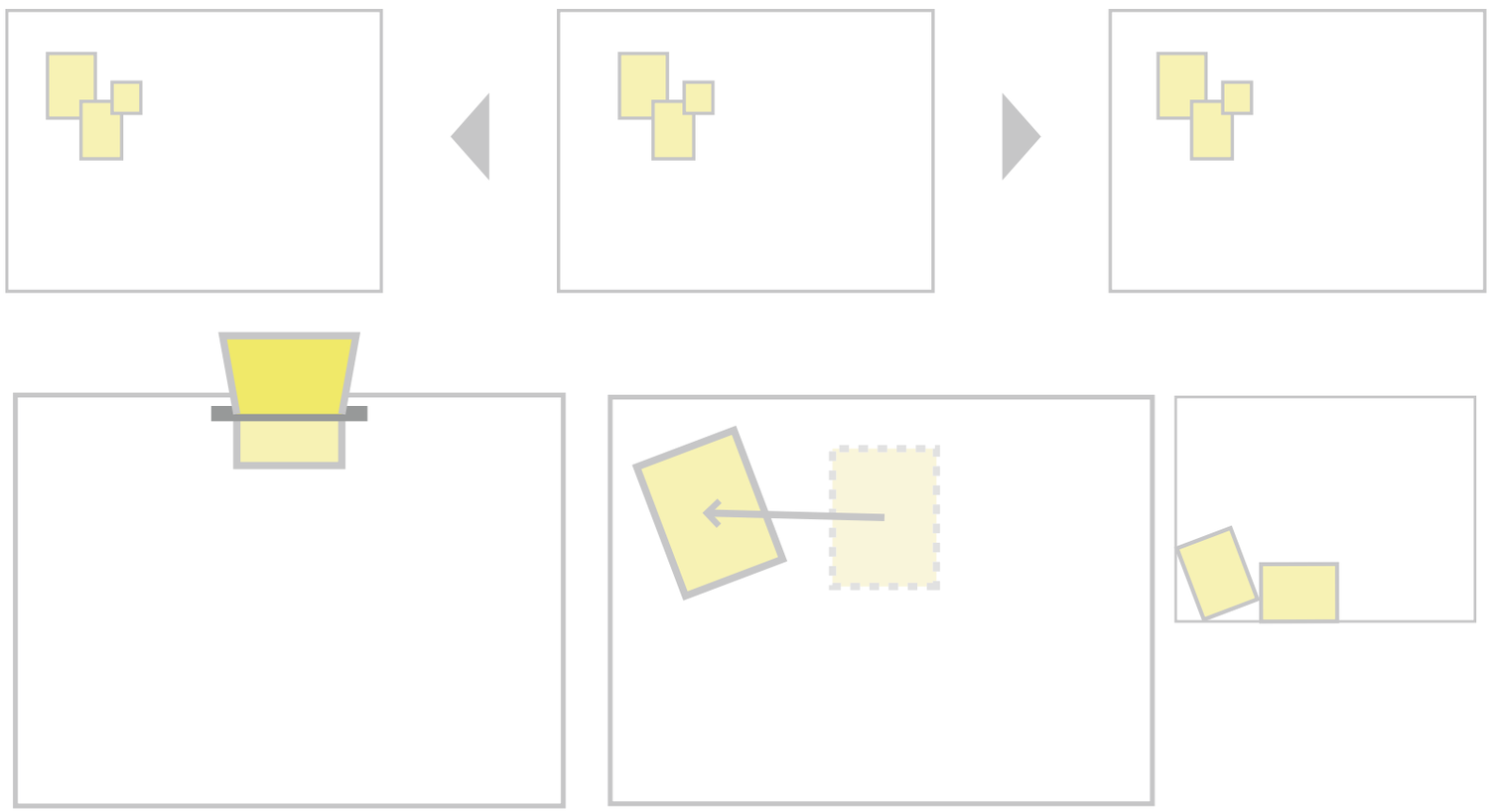
CONCEPT

Each NOĐE unit is input and output at the same time, with an interface that needs no further explanation. It consists of a large touch screen and a scanner. Content is printed, written or drawn on a sheet of paper and then put in a slot where it vanishes while it is digitized. After that it is displayed on the screen, where it can freely be positioned, scaled and rotated over the touch interface. Images which are not attended fall down to the edge of the Screen. At the same time, the image is uploaded to a server and distributed, so that all connected units are synchronized content-wise.



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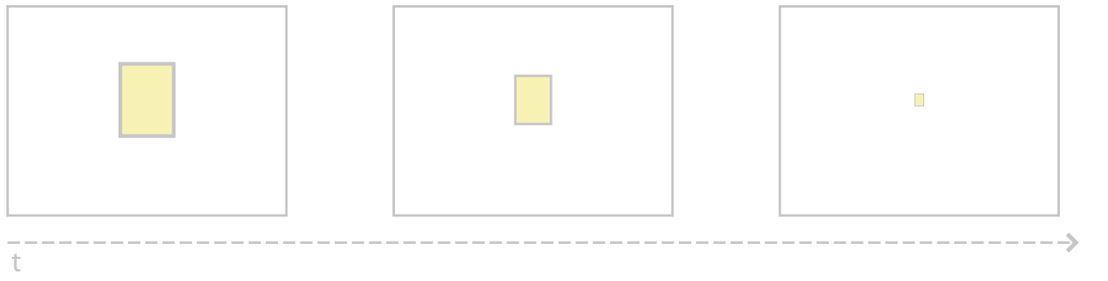
CONCEPT

In addition to the spreading function, NODE concerns geographical and chronological aspects: the displayed objects are shrinking over time, and fading with distance from the originating unit. This not only makes each unit look unique but also gives the user a quick orientation for geographically important and in-time information.



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FIELD OF APPLICATION

the installation of NOĐEs is possible in many contexts: it can be used to create a self-organized information network in a city which can carry information about local events such as demonstrations, convocations and festival or just parties, it can carry personal announcements like lost- and found or house hunting. Although intentionally invented for networking a city, it can also be installed on fair grounds, campuses, festival locations...

for the originally intended use of the networked city, it would be possible to use the existing infrastructure of abandoned shops and flats on ground floor for the installation.

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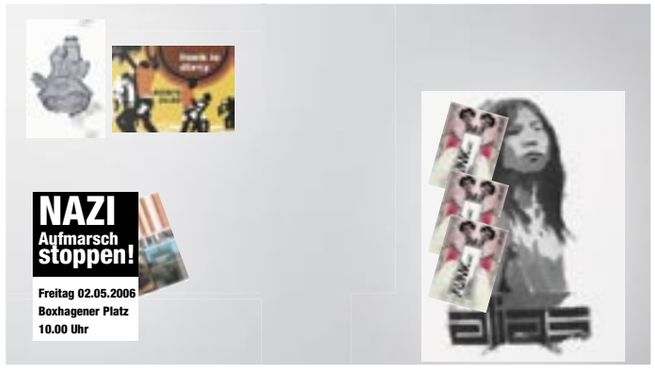
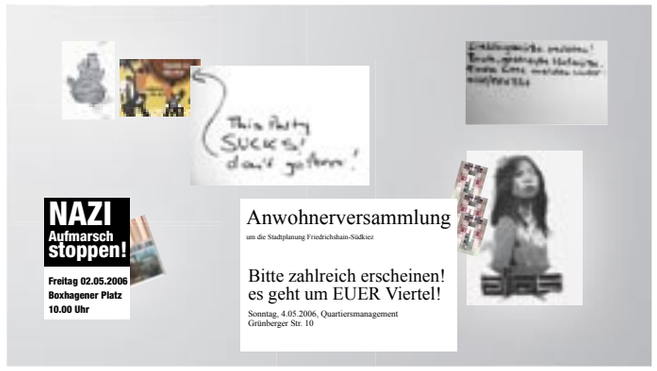
FIELD OF APPLICATION



possible content



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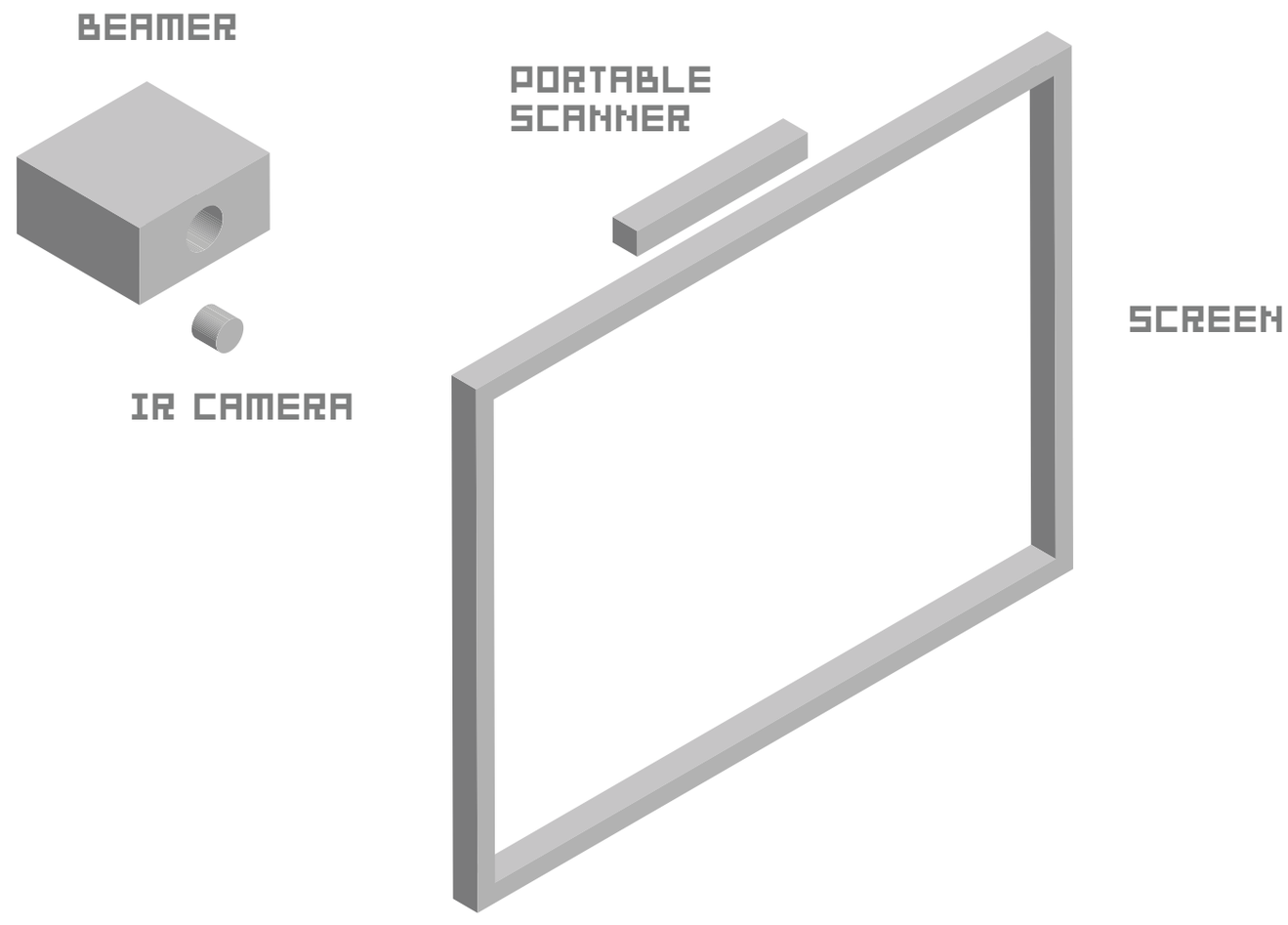
TECH:PROTOTYPE

setup



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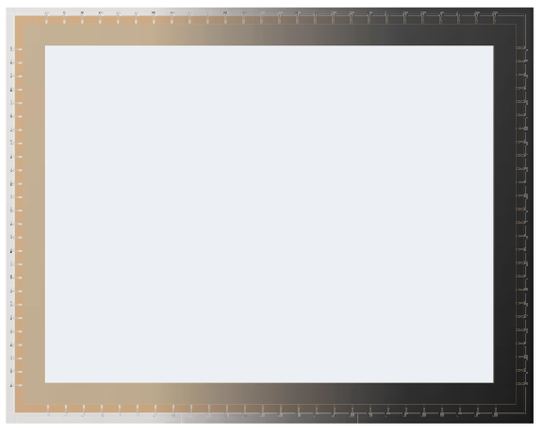
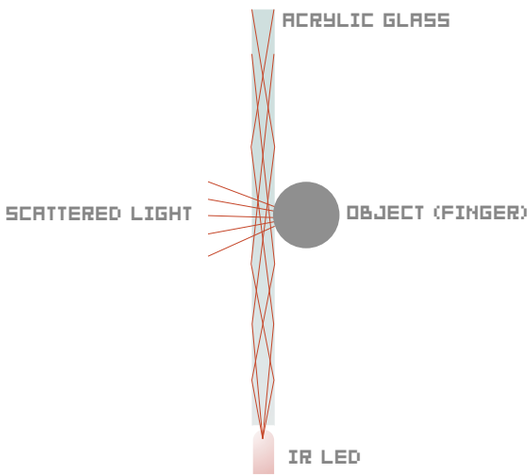
TECH:PROTOTYPE

The Prototype of a NOĐE unit consists of a special rear-projection wall, a beamer, an infrared camera, a mobile scanner and a pc with internet connection. The rear projection wall has an acrylic glass surface in front of it which is illuminated from all sides with infrared LEDs. On touching the surface with a finger, the infrared light which is normally totally reflected inside the glass, is scattered at that point and becomes visible to the infrared camera. The coordinates are extracted and used for interaction input.





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TECH: PROTOTYPE

A mobile scanner with an automatic document feed is mounted above the screen behind a plate with a slot through which the paper sheets are inserted.

An application written in java handles the scanner input, the physics and the displaying of the scans on the screen and uploads the image to a PHP server.

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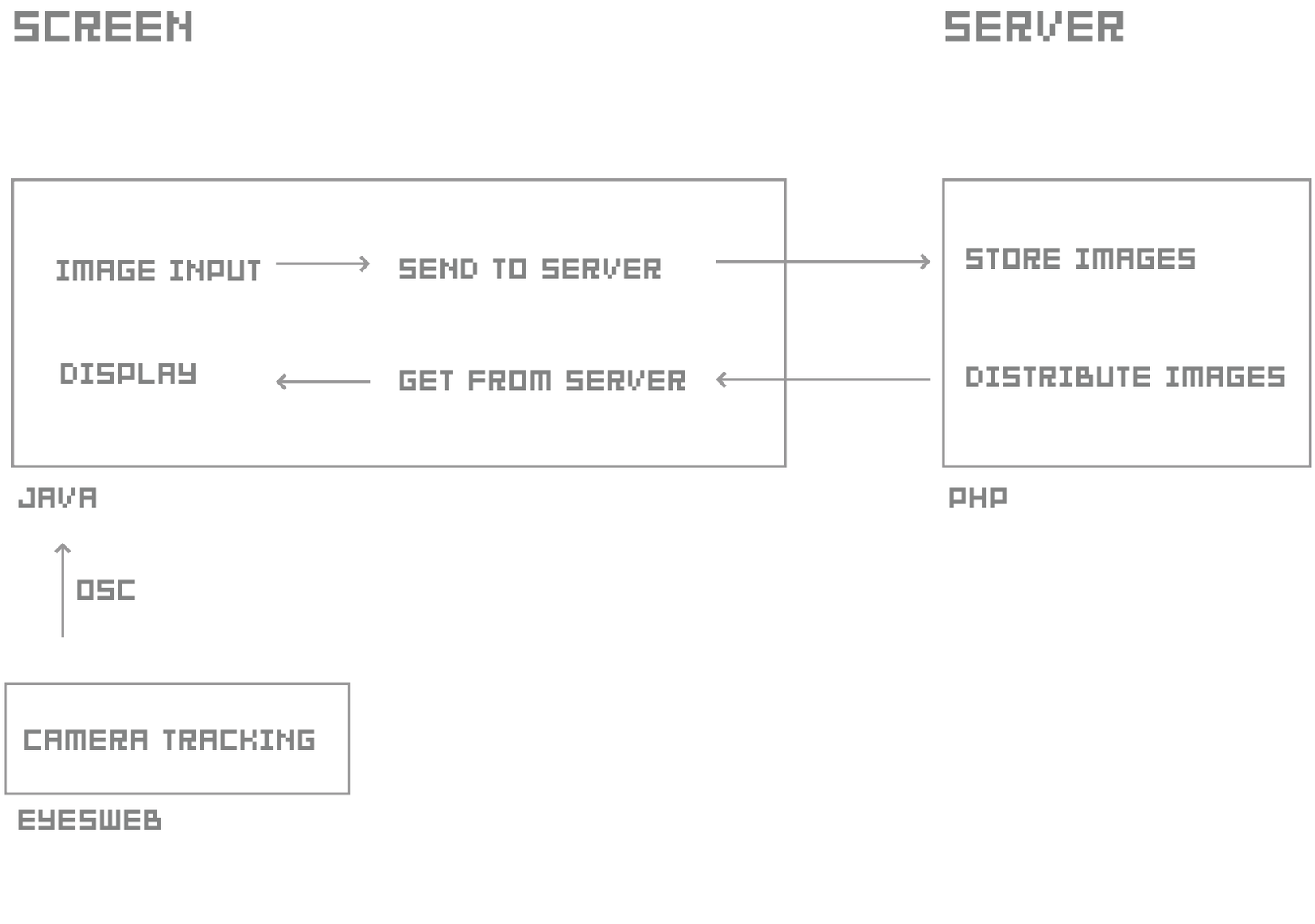
TECH:PROTOTYPE

data distribution and communication



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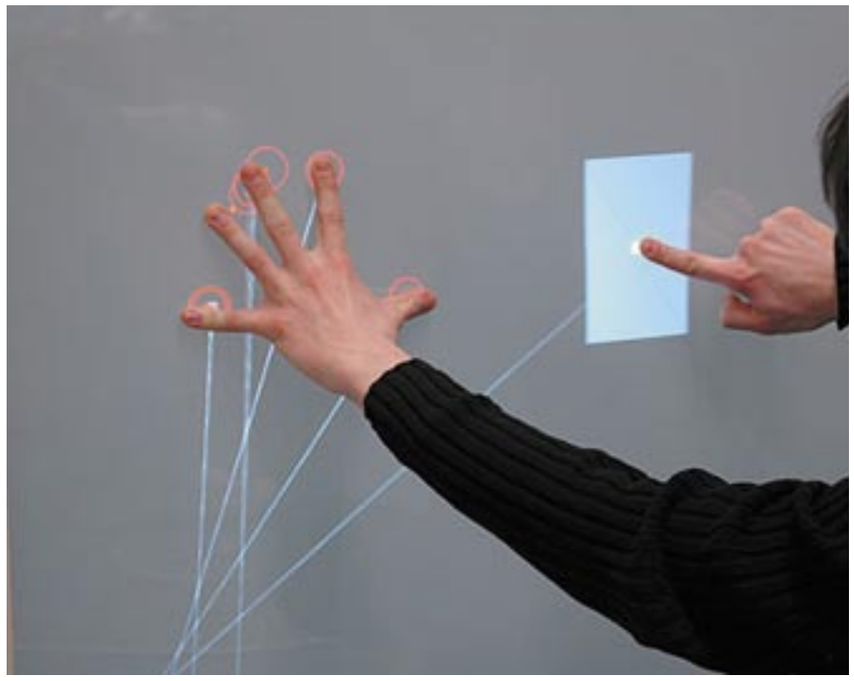
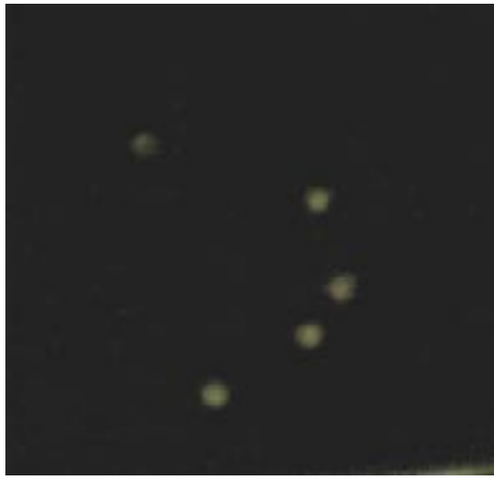
IMPRESSIONS

images of the prototype





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IMPRESSIONS

images of the prototype