



Polyapton

Overview

Polyapton is a very **large interactive screen** that can be used by **several visitors** who wish to explore multifaceted information on a subject at the same time. The system's special **multi-touch screen** recognizes the touch of many fingers or hands, but also specific objects, at the same time. Visitors can 'scroll' across the image and focus on points of interest with multimedia information by touching them, zoom in on details with the use of a cardboard magnifying lens, while an infrared torch displays a modern rendition of the painting.

In addition to multi-touch, the system supports **interaction** using three props:

- (a) a "**magic wand**", i.e., a stick with an IR led;
- (b) a **magnifying glass** made of white cardboard; and
- (c) an **IR flashlight**



Polyapton: Here the user is viewing an image larger than the screen and utilizes the scroll function



Selecting a point of interest

Target Domains

The system can be used in any cultural heritage or commercial context.



Using a cardboard cutout "magnifying lens"



Using an infrared torch to reveal a hidden layer of information

Additional Information

Permanent public installations:

- Cyprus Center for Environmental Research and Education, Limmasol, Cyprus
- Archaeological Museum of Thessaloniki, as part of “Macedonia: From fragments to pixels” exhibition
www.makedonopixels.org

Related video: <http://youtu.be/l6y2clf73-8>



Polyapton web page

www.ics.forth.gr/ami/project/polyapton/

Contact details: **Constantine Stephanidis**

cs@ics.forth.gr

www.ics.forth.gr/ami