

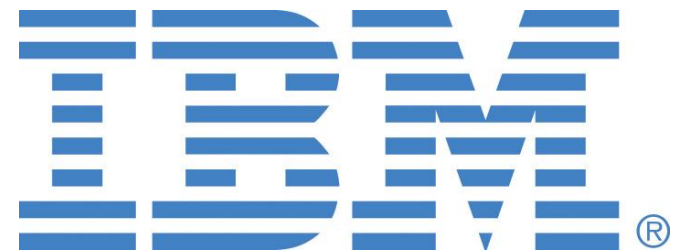
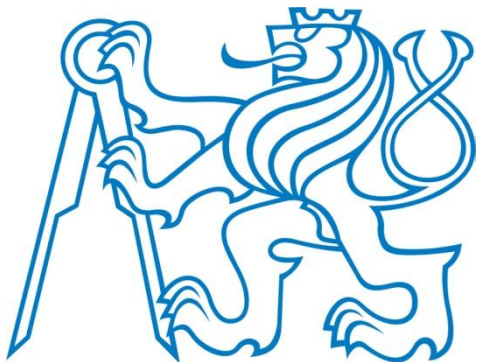
Multitouch Display with Image Capturing



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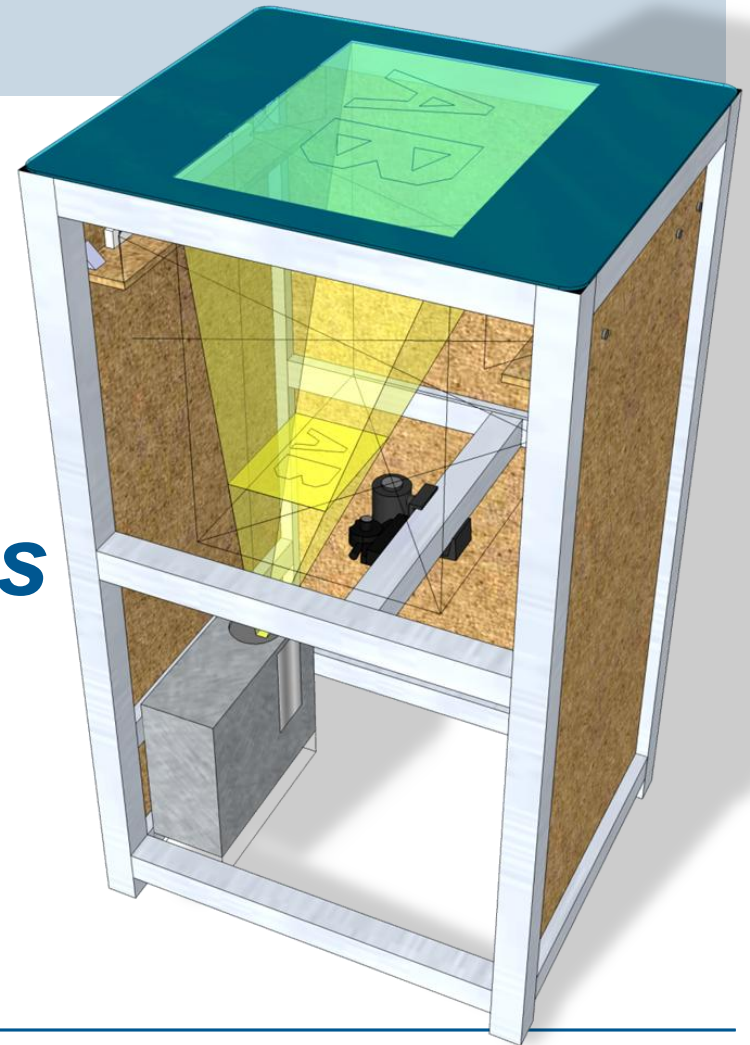
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Goal

Implement a prototype of a multitouch display capable of taking photos through the screen



Technology

- Rear projection
- Infrared diffused illumination
- Camera sensing IR light
- Diffusing / transparent surface
- PC controllable switch
- Camera for taking photos



Software

- PS3 Eye Driver
- Blobs detecting
- Multitouch events driver
- Windows 7
- Diffuser switching software
- Software for taking photos



} synchronized



State



- Functional prototype
- Demo: QR code reader



Possibilities

- New interesting user interfaces
- Video capturing during user interaction
 - with quicker switchable diffuser
- More compact setups
 - with first surface mirror(s)

