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Surface Computing: The Post-PC Experience

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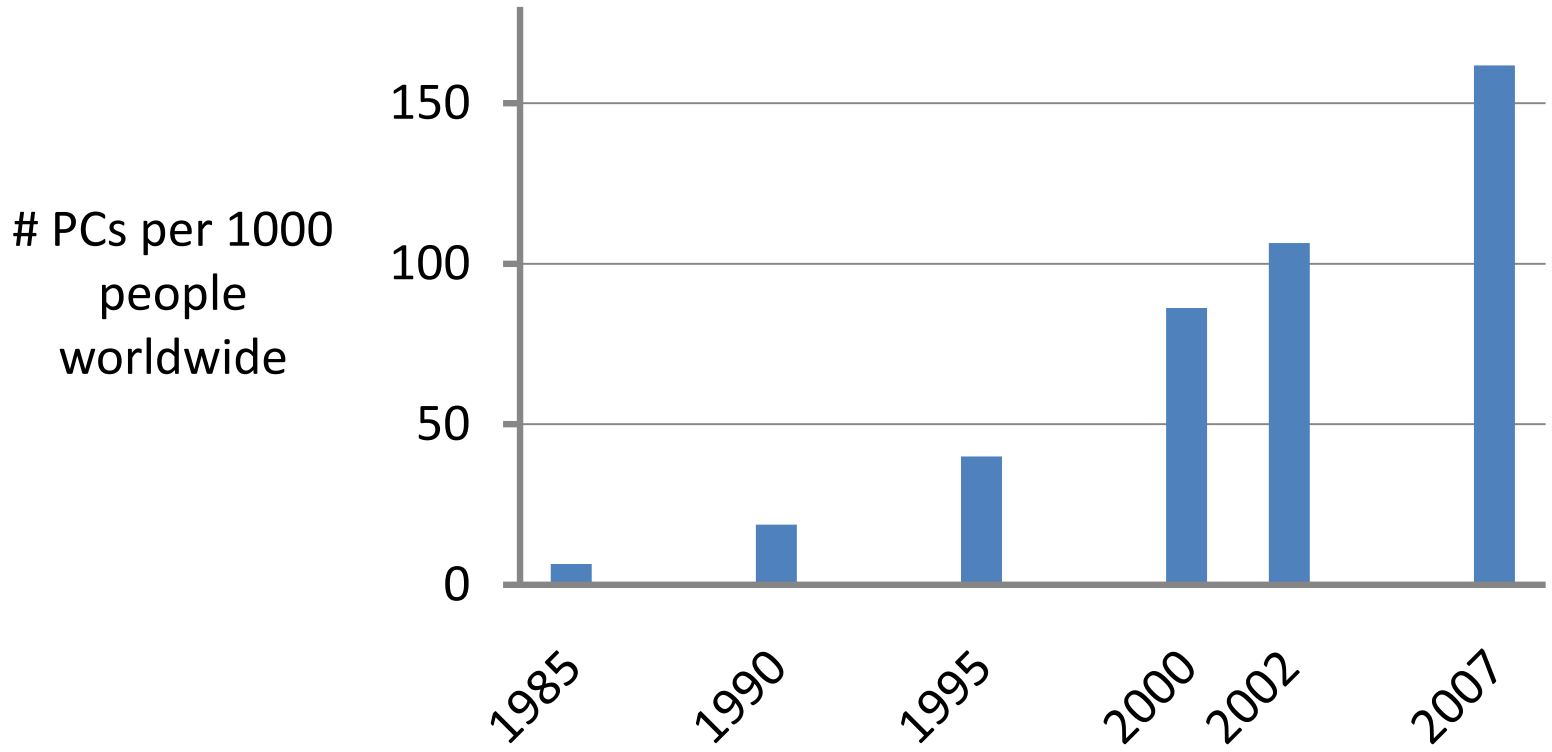
The PC is dead?

The PC is dead?
...of course not!



Source: Computer Industry Almanac

The PC is just the beginning

- It will increasingly be complemented by other devices
- Focus will move beyond the desktop
- More powerful, intuitive and engaging applications
- A wider set of application domains

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Surface Computing

1. Display-centric
2. Direct Input
3. Multi user
4. Tangible objects

Blending of physical and virtual interaction

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Microsoft Surface

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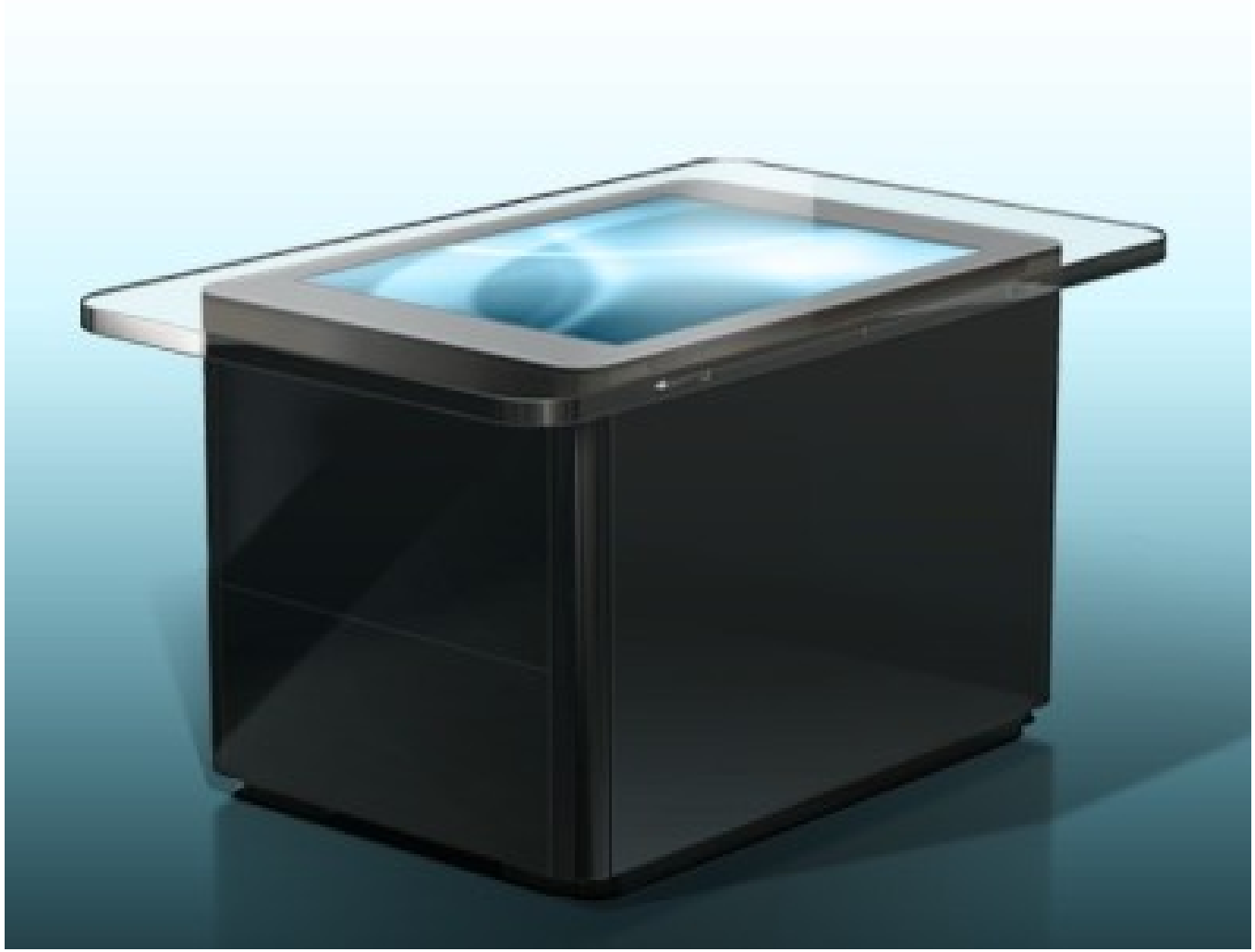
How Does it Work?



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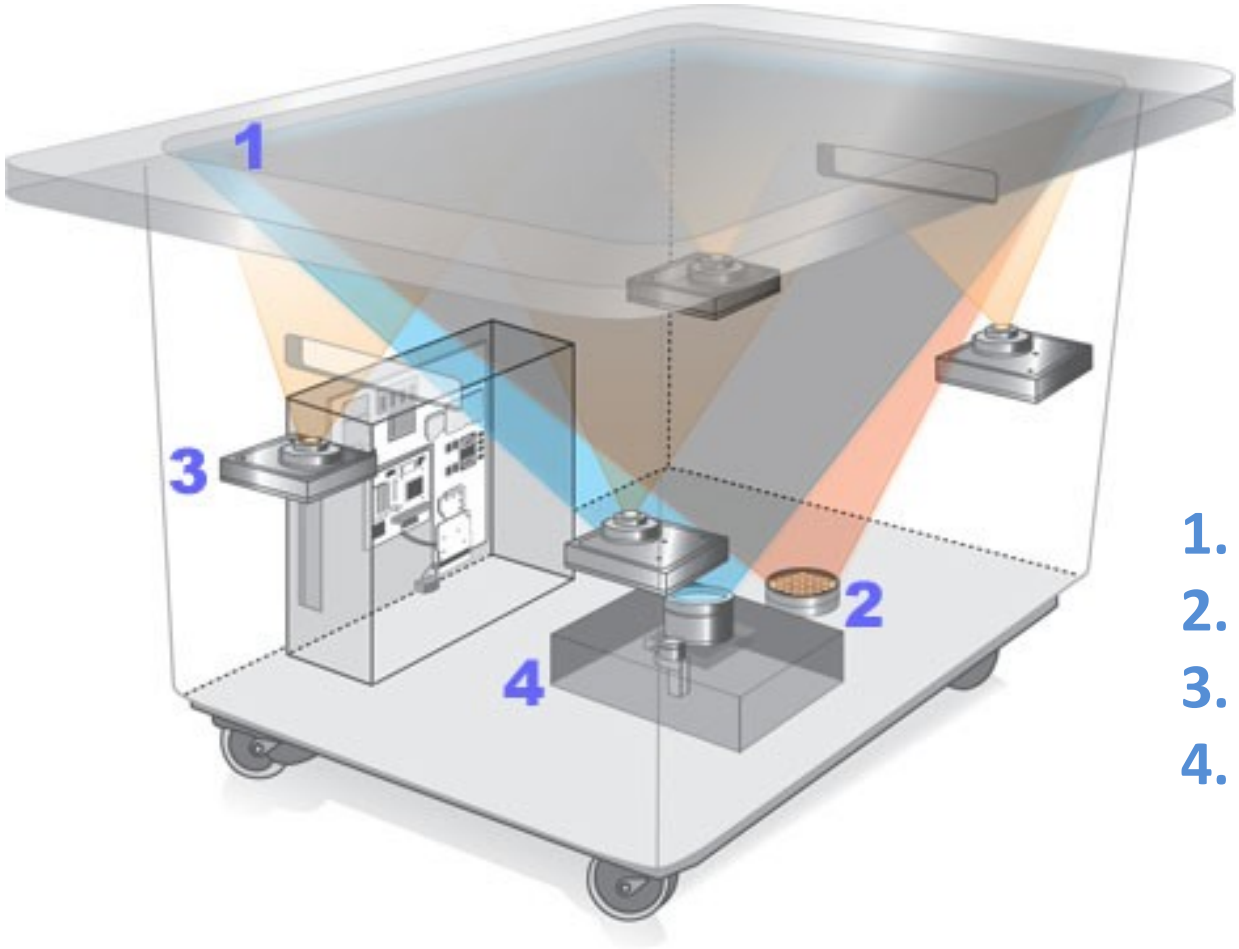
How Does it Work?



1. Diffuser
2. IR illuminant
3. IR camera
4. Projector

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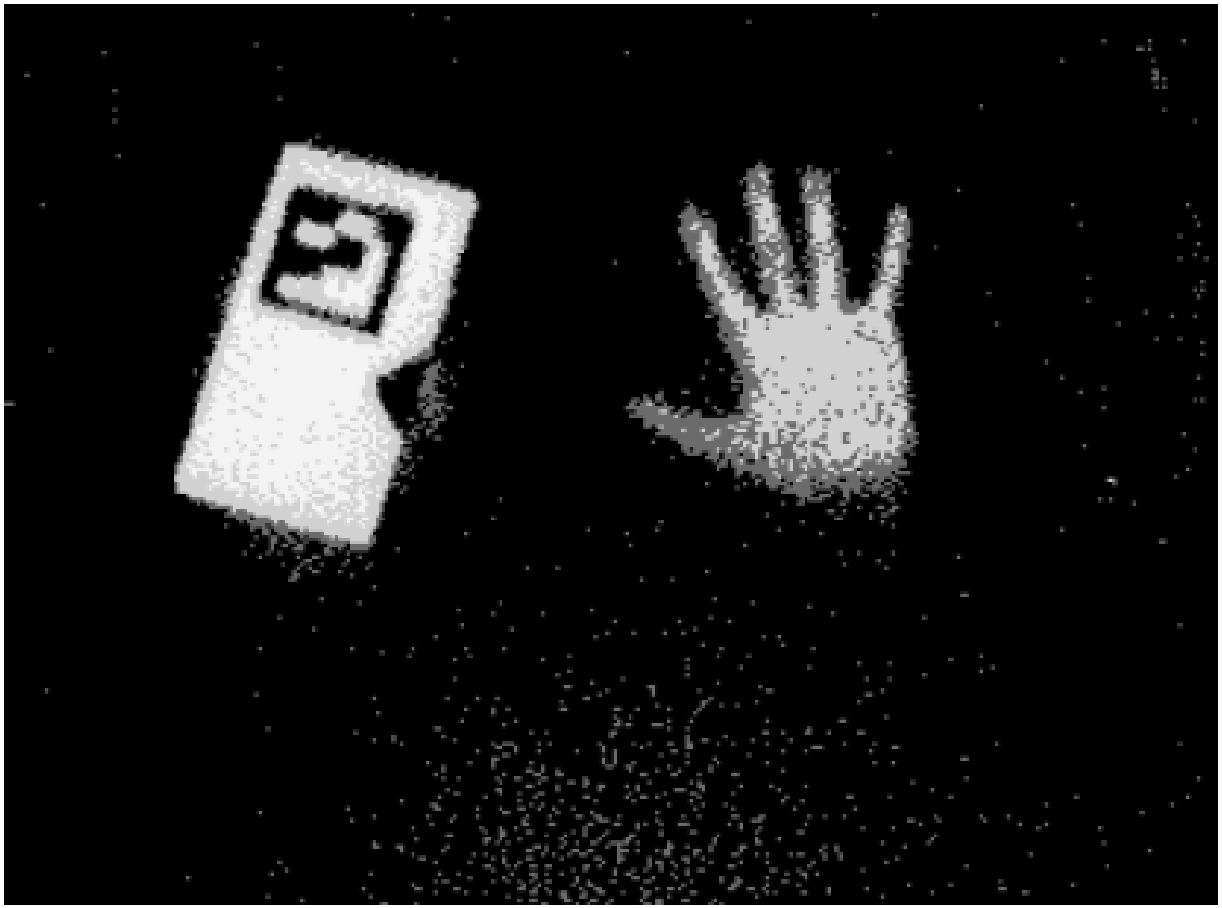
How Does it Work?



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Beyond the table: Surface computing research at MSR

- ThinSight
  - Thin form-factor surface
  - Optical sensing
- Other projects
  - Collaborative Slate
  - PlayAnywhere
  - TouchLight
  - PictureBowl

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ThinSight

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ThinSight

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ThinSight

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- Form factor is important

ThinSight

1. Display-centric
2. Direct Input
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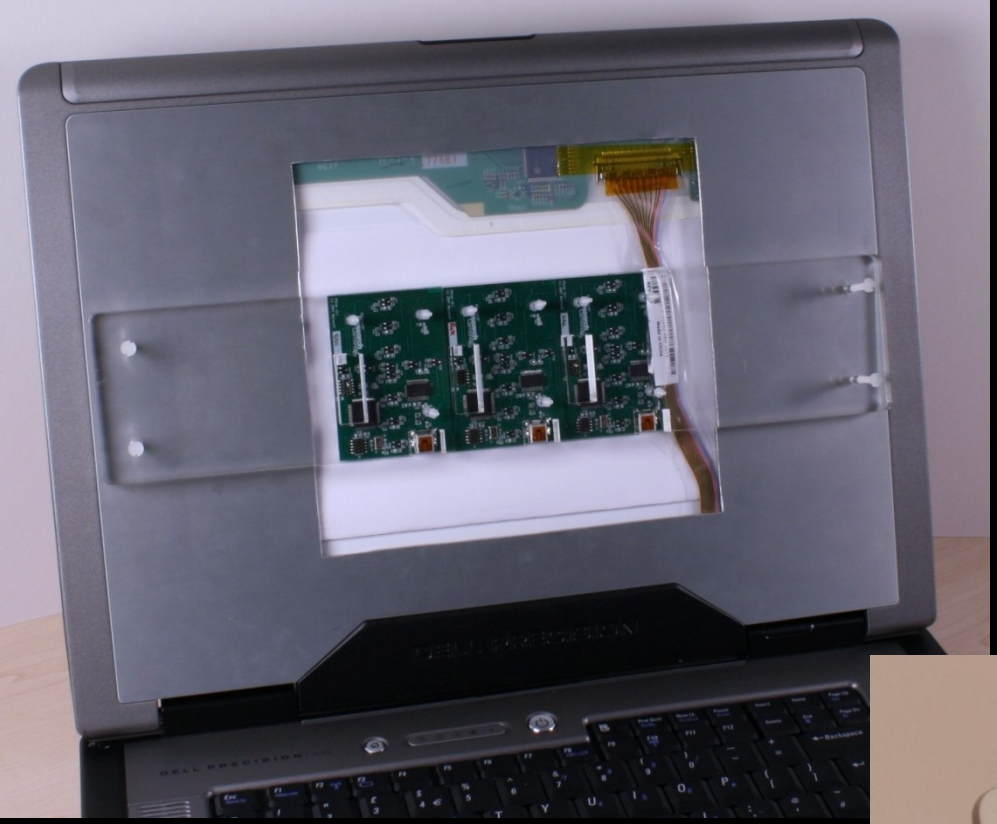
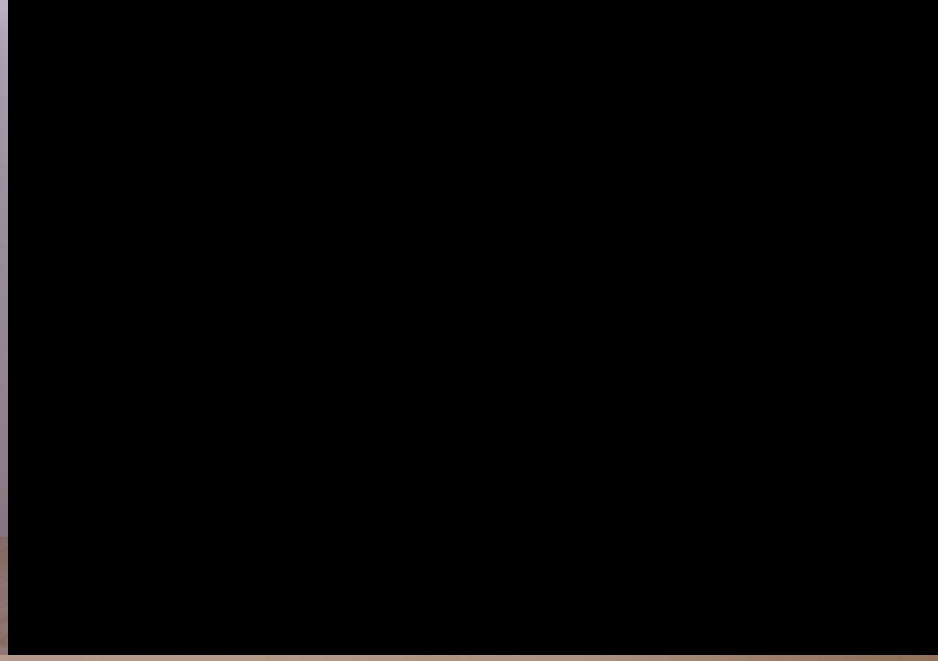
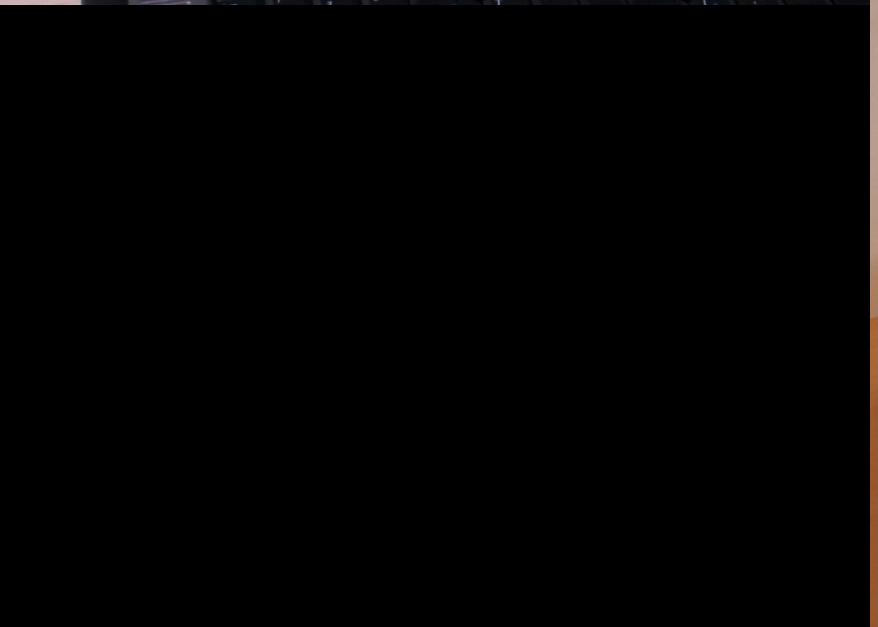
- Form factor is important
- So are objects
  - Optical sensing instead of capacitive or resistive

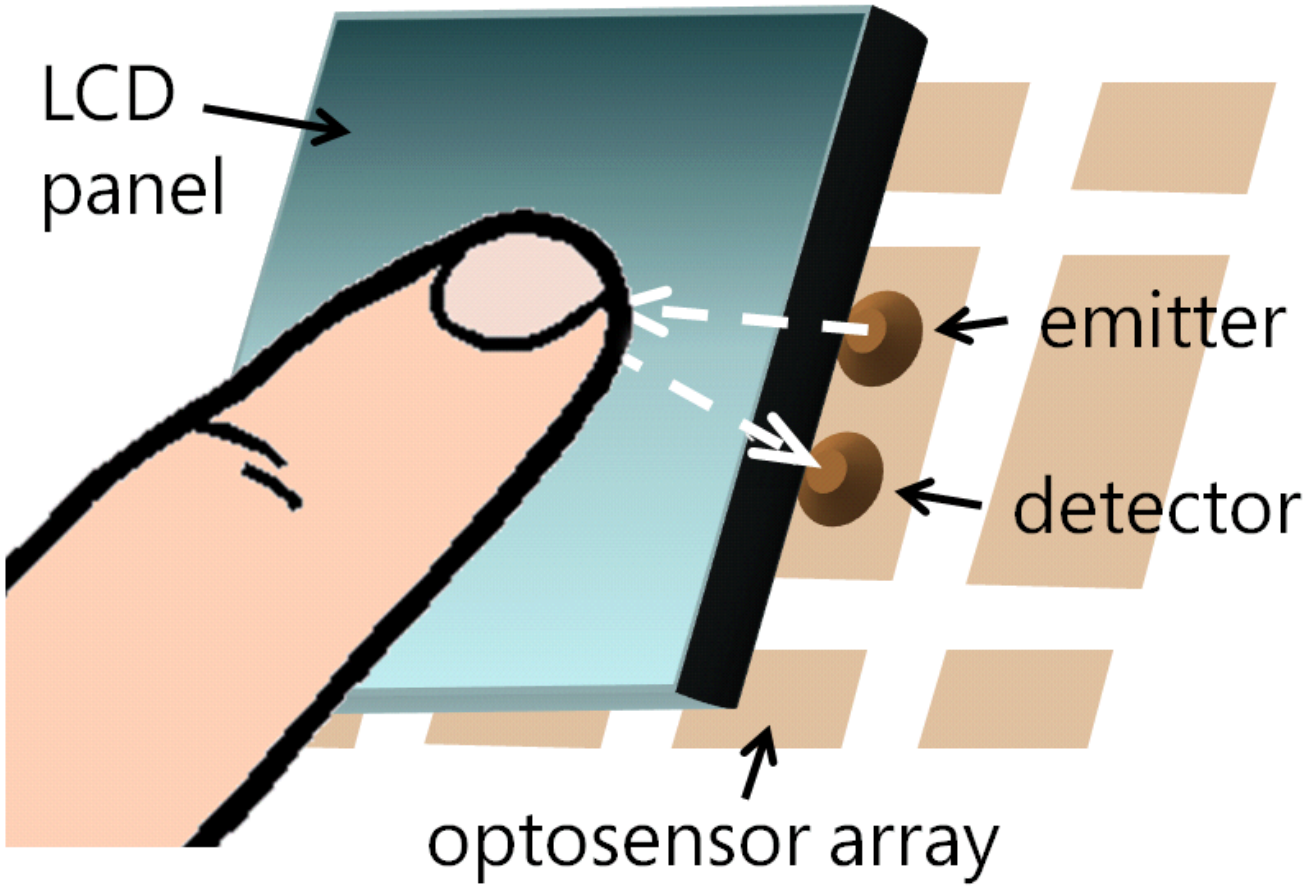






DELL

ThinSight – how it works



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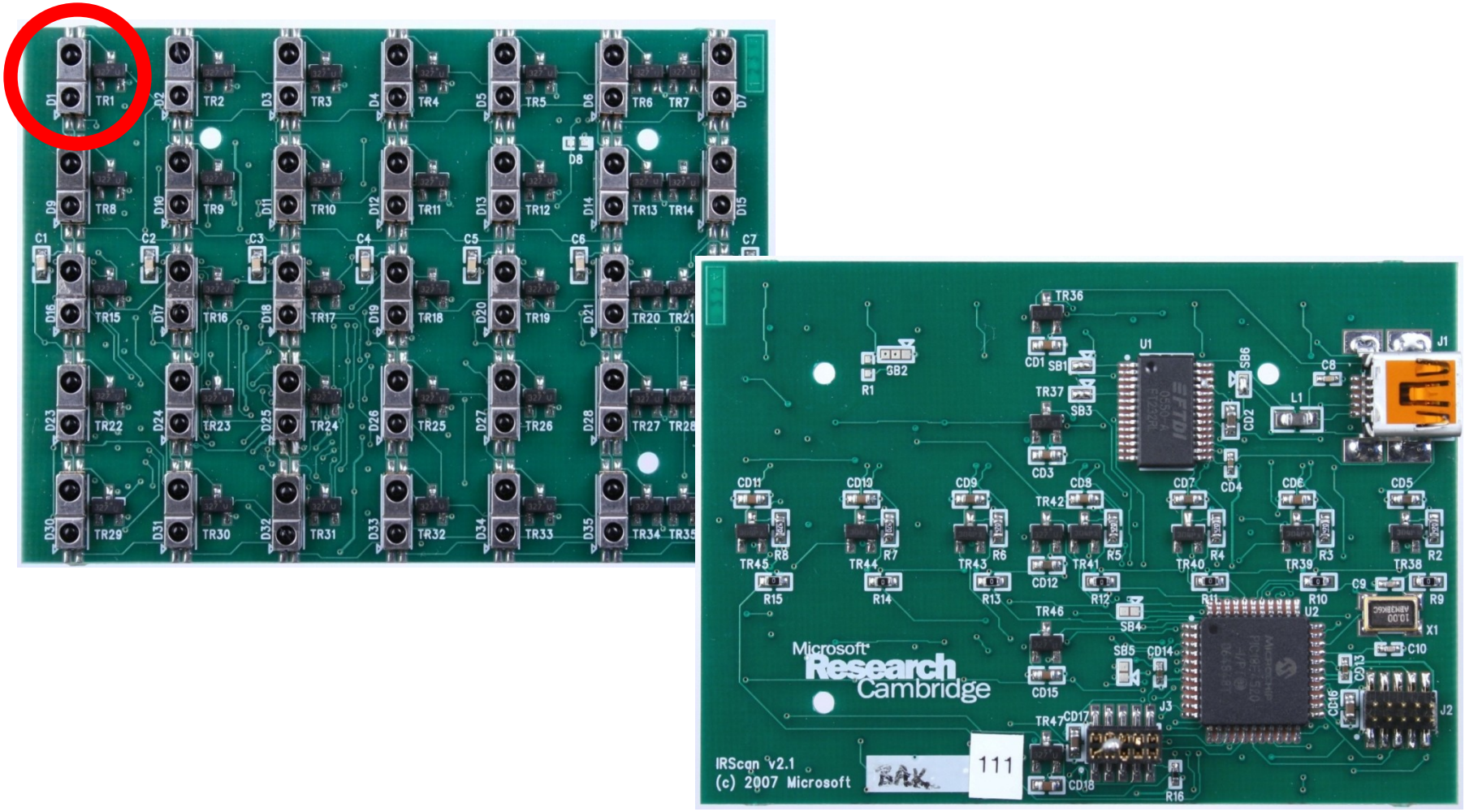
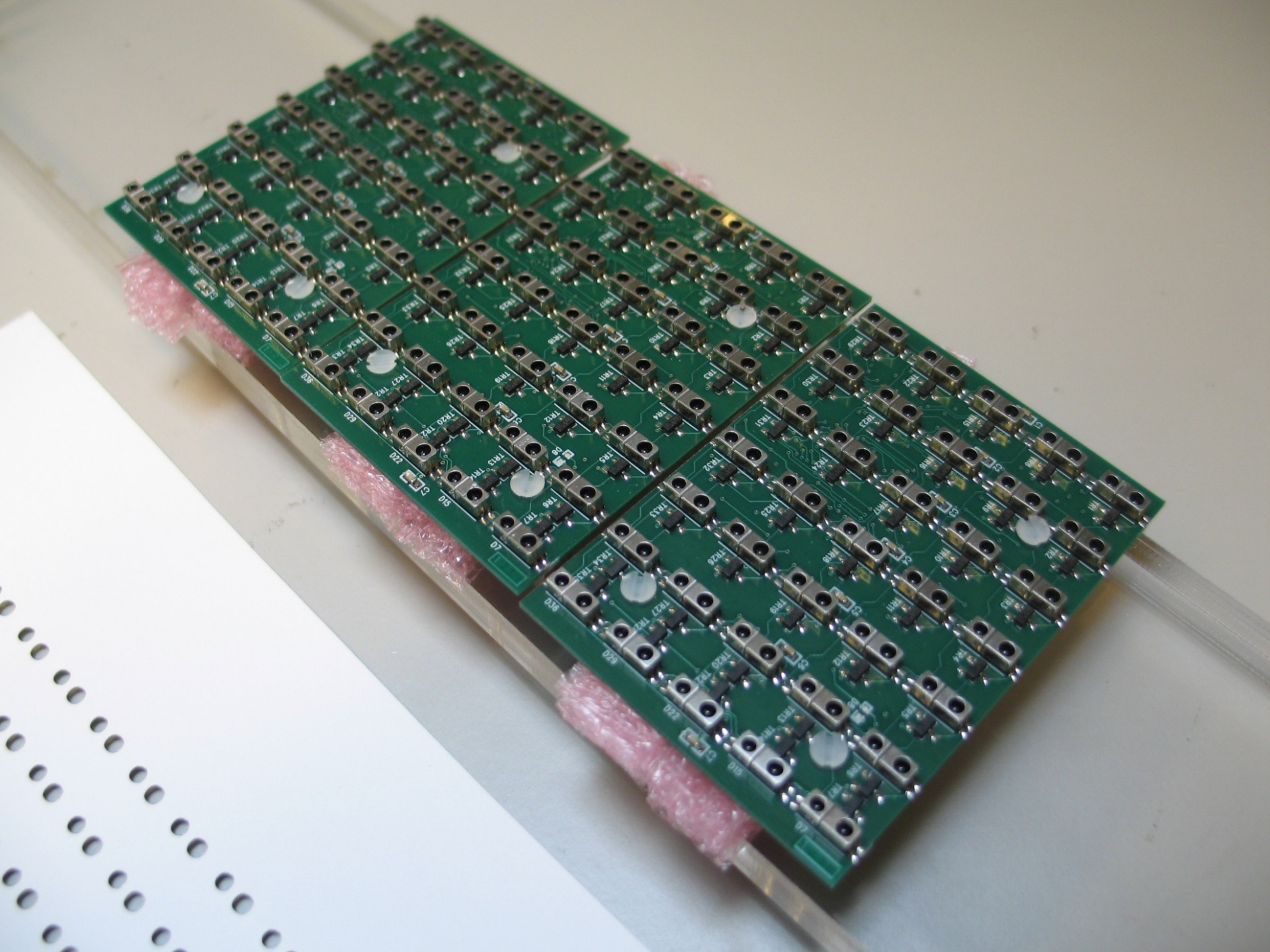
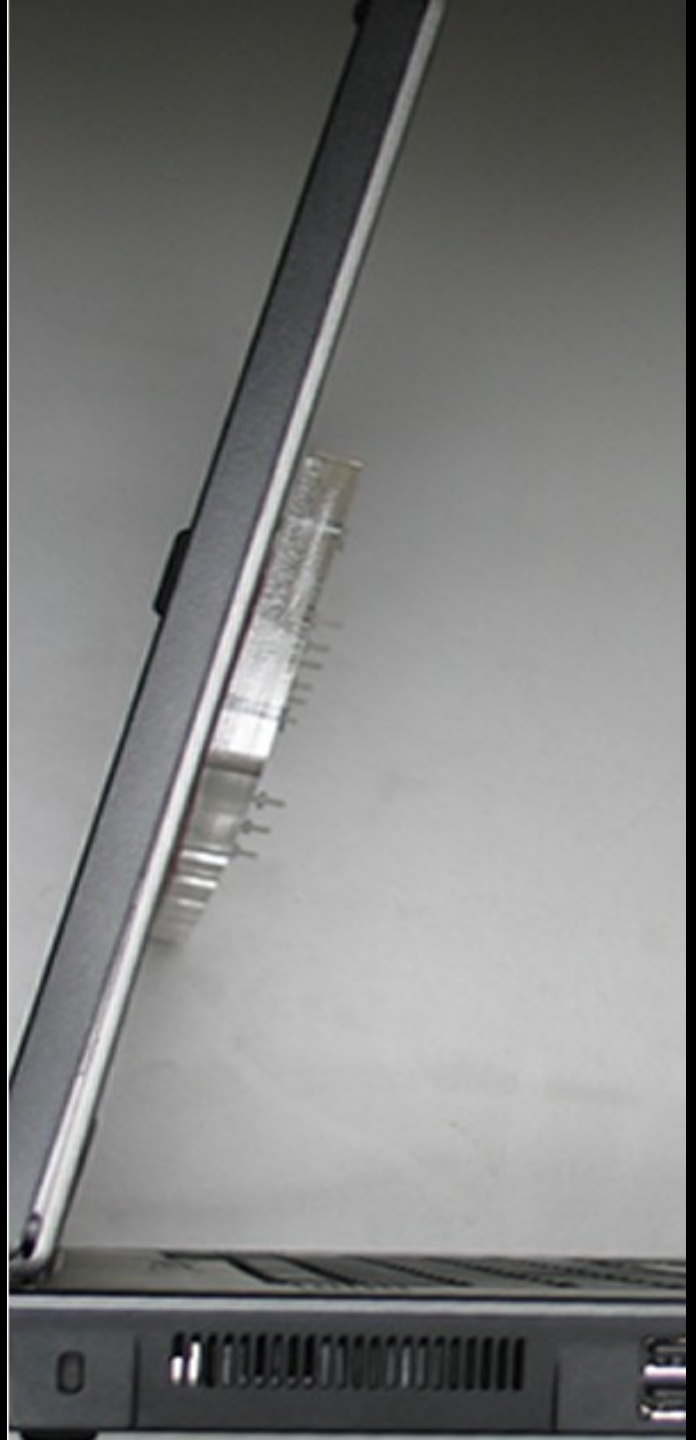
ThinSight – how it works

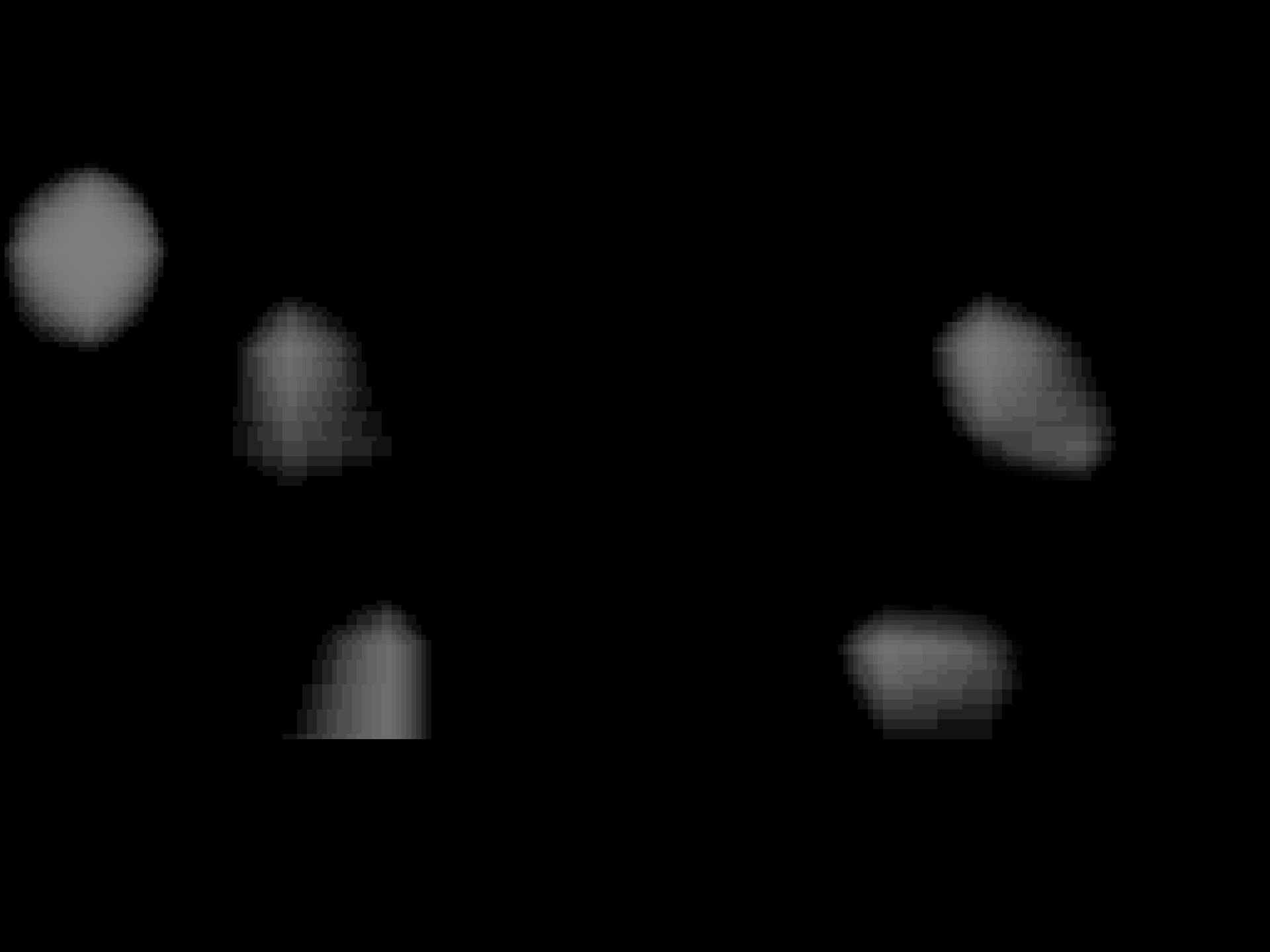


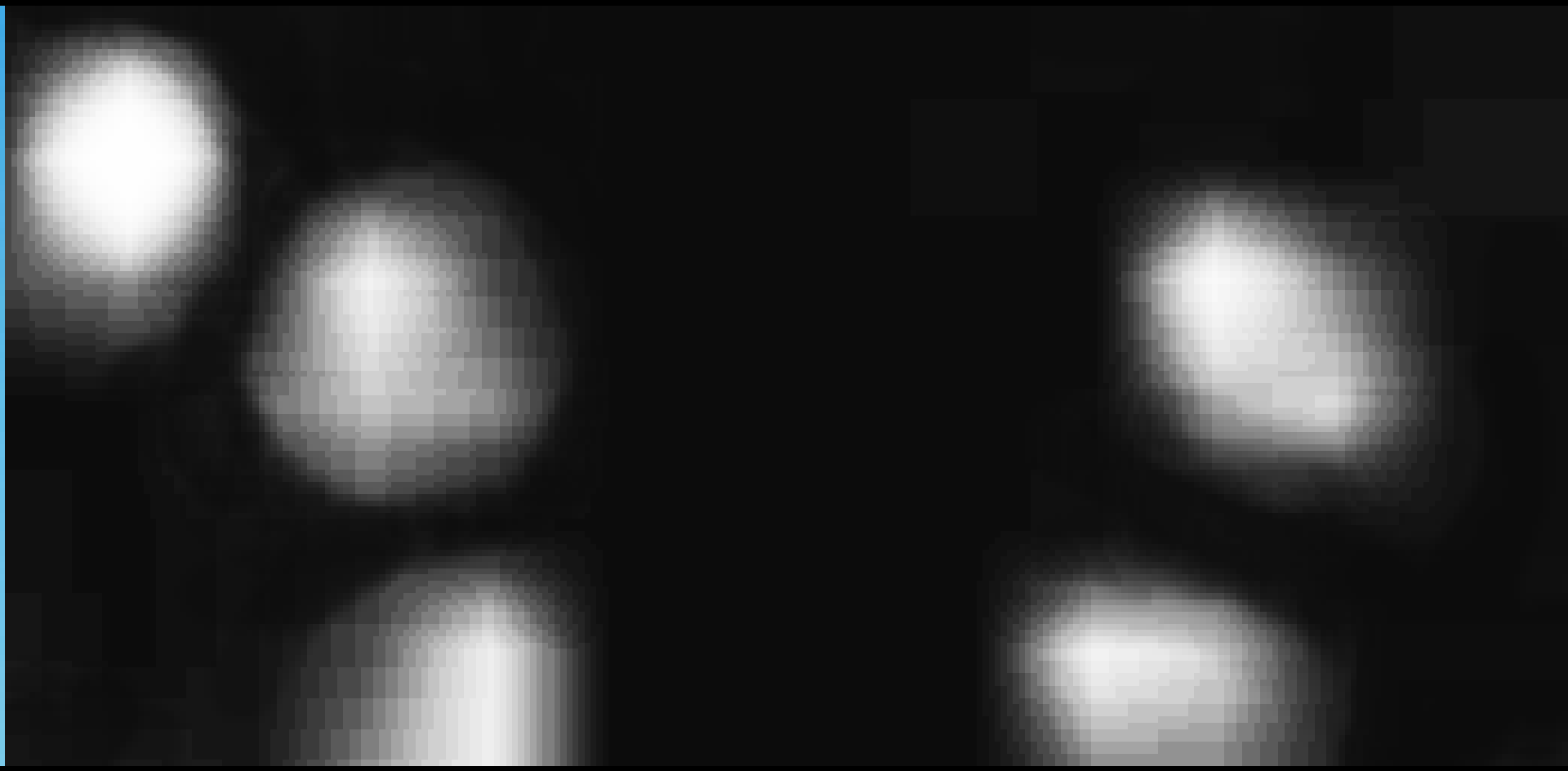


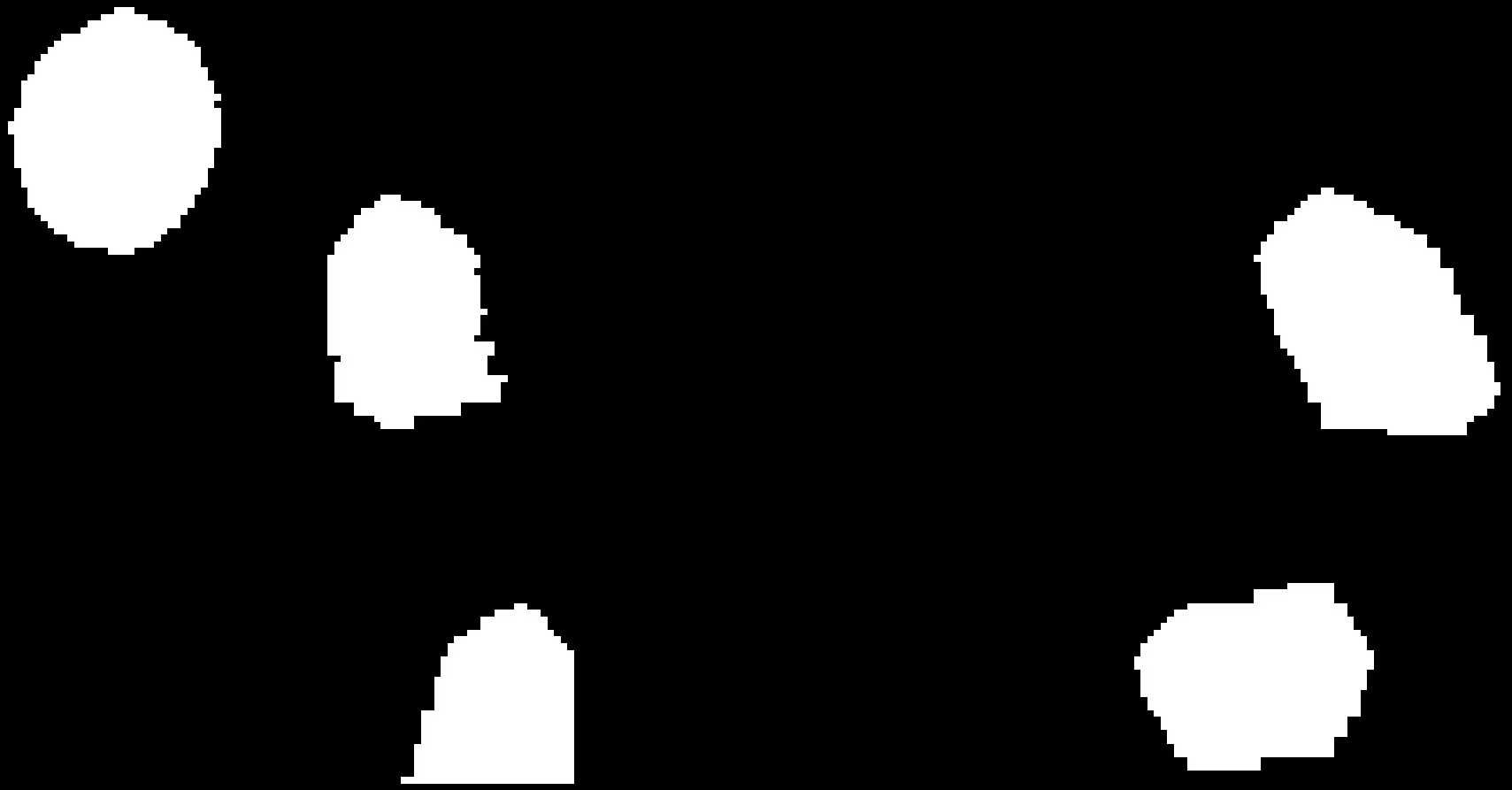
DELL RESOLUTION
RW

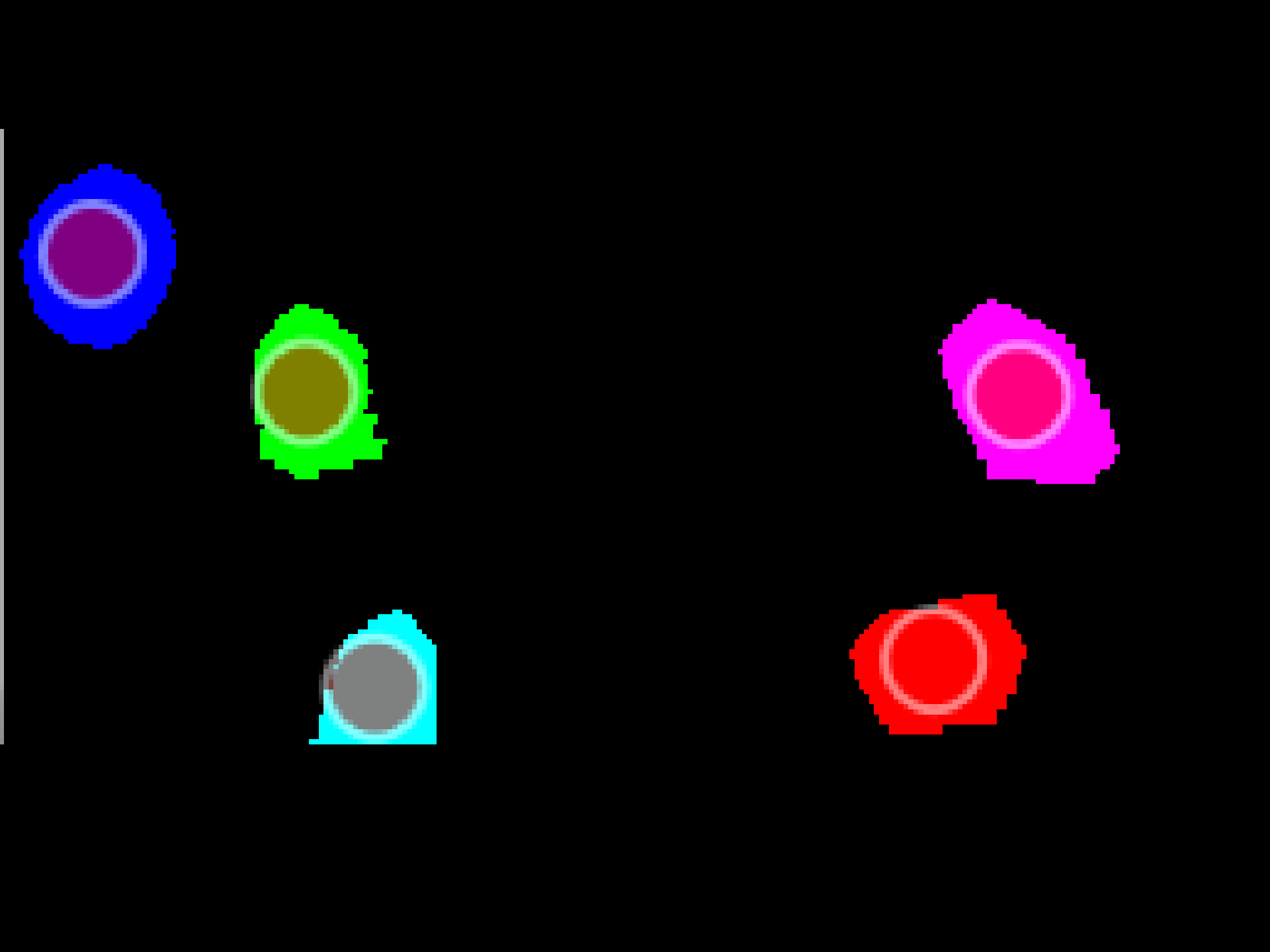


Start
Calibrate
Cancel
Uniform
Outline
The global supply chain
RFID as a barcode replacement?
Tech-Ed
Developers
DELL









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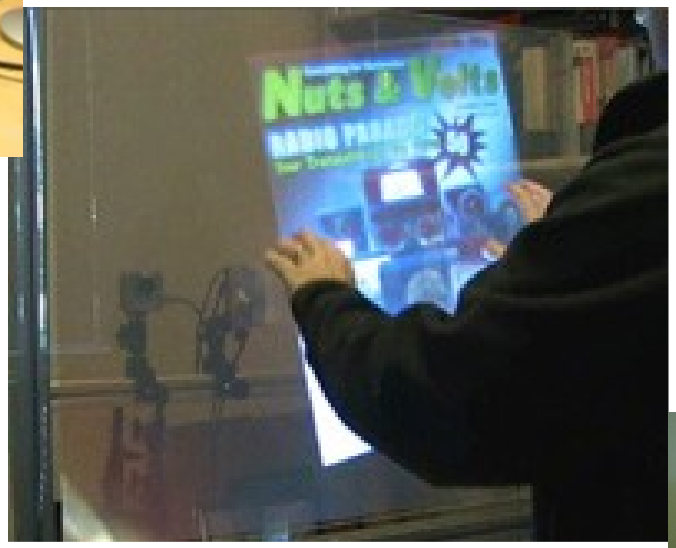
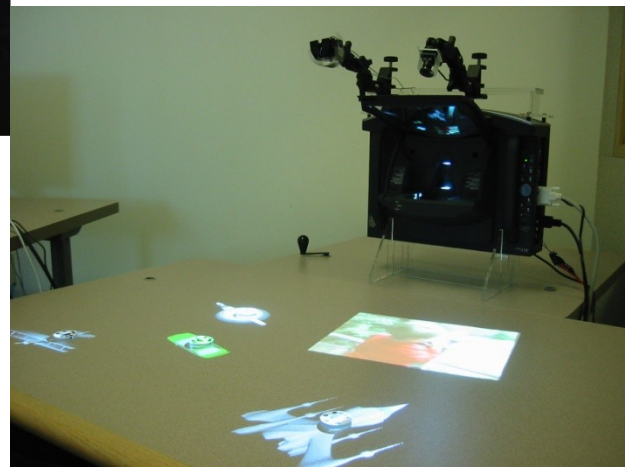
Latest prototype

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