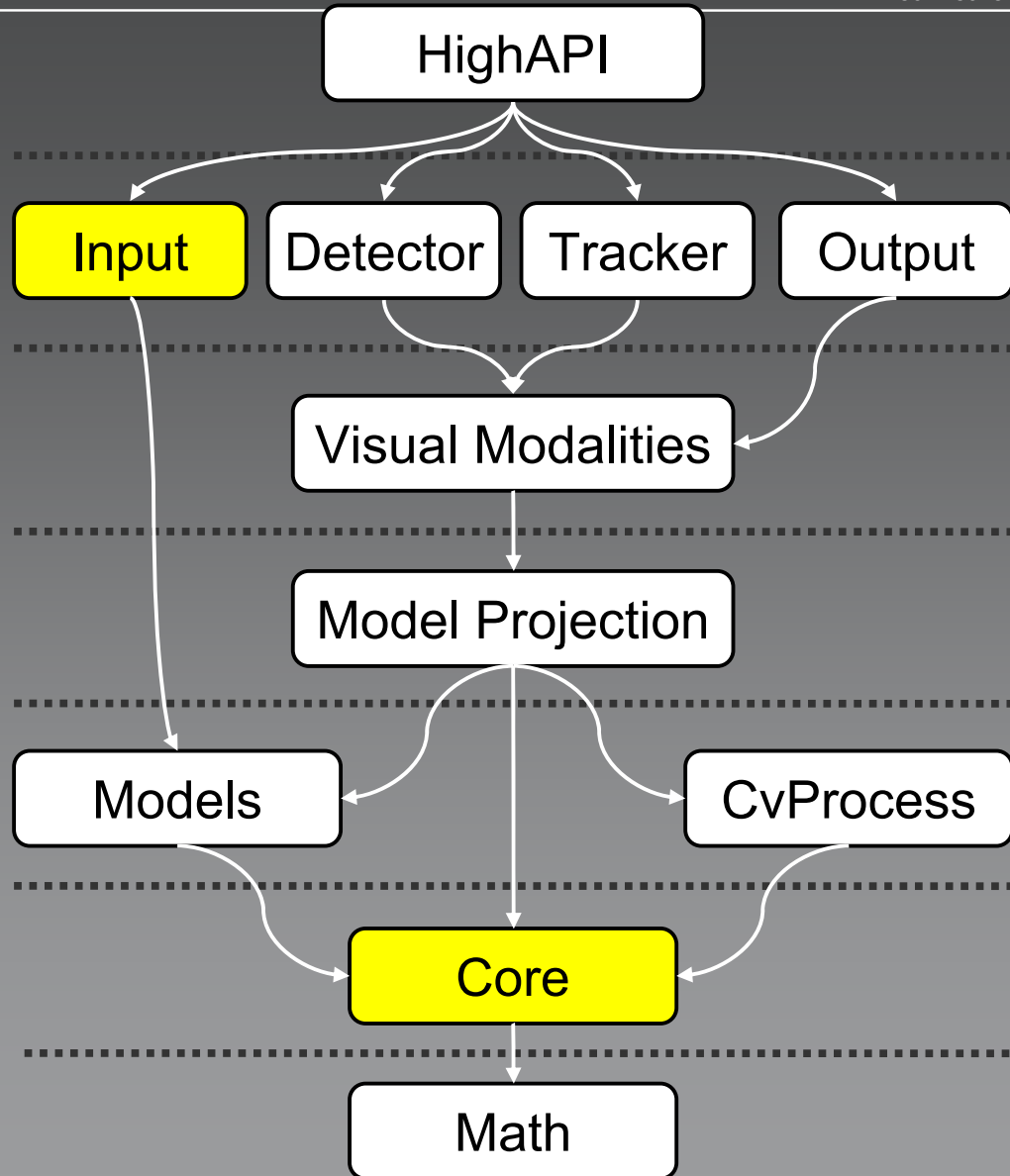


OpenTL – Tutorial 1

- Grabbing frames from a camera and show the output





Input – Image Sensors

- Video-File
- USB-Camera
- Firewire Camera
→ in this tutorial we use Guppy firewire cameras from ALLIED vision technologies



Firewire Camera

- Create an instance of a camera:
→ `input::FirewireCamera::createFirewireCamera(0)`
- Open the camera
→ `camera->open();`
- You can set some features of the camera
→ `camera->enableWhiteBalanceAuto(true)`
→ `camera->enableGainAuto(true)`
- Start the frame-grabbing:
→ `camera->captureStart()`

- Create a camera (as explained before)
- Define a `cvdata::Image` pointer *srcImage*
- Create an OpenCV Window:
→ `cvNamedWindow("image",1);`
- *Loop:*
→ `captureNext()`
→ `getImage()`
→ show Image with OpenCV:
`cvShowImage("image",srcImage->getIplImage());`
- Stop the frame capturing, close the camera
→ `stop()`
→ `close()`