

Camera with movement detection

- and more

What

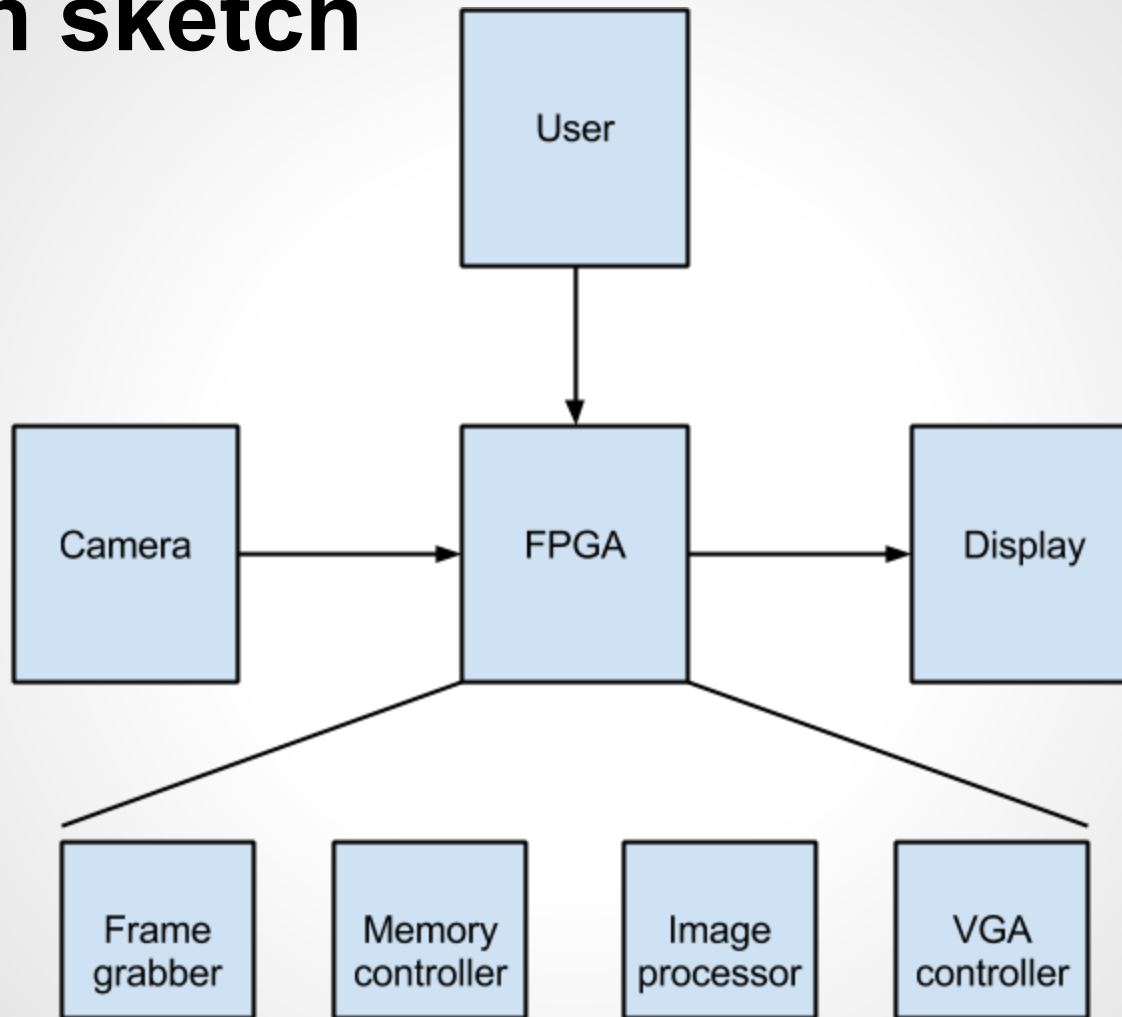
A camera controller

1. Receives picture stream
2. Calculates movement
3. Sends modified picture to monitor

Step-by-step

1. Interface and implement it all in C. Doable?
Probably not.
2. Hardware accelerate.
3. ???
4. Profit

Rough sketch



Exactly this



More?

- Move camera when motion detected
- Face recognition
- And so on..

Time Plan

Week	Date	Goal
0	8/9	Presentation of project report.
1	15/9	First implementation. Screen grabber, memory management and output.
2	22/9	Picture manipulation, performance testing. Support structure in C and/or VHDL.
3	29/9	Movement detection. Combine detection and picture output.
4	6/10	Add support for removing moving objects.
5	13/10	Sound sensitivity with microphone. Light sensitivity. Face recognition.
6	18/10	Demonstration.
7	27/10	Final report.