

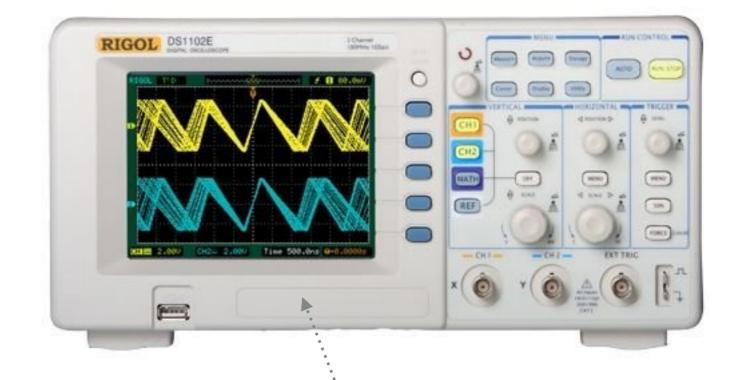
HDMI OSCILLOSCOPE

Daniel Kramnik

\$100 Cheap-o Tablet

\$500 Cheap-o Scope





7" 1280x800 IPS LCD Screen

(Source: http://ecx.images-amazon.com/images/I/61jJfXgZ0JL. SL1000_ipg)

5.7" 320×240 TFT LCD Screen

(Source: http://ecx.images-amazon.com/images/l/4113ywzM7EL.jpg)

\$500 Nice Tablet

\$5,000 Nice Scope





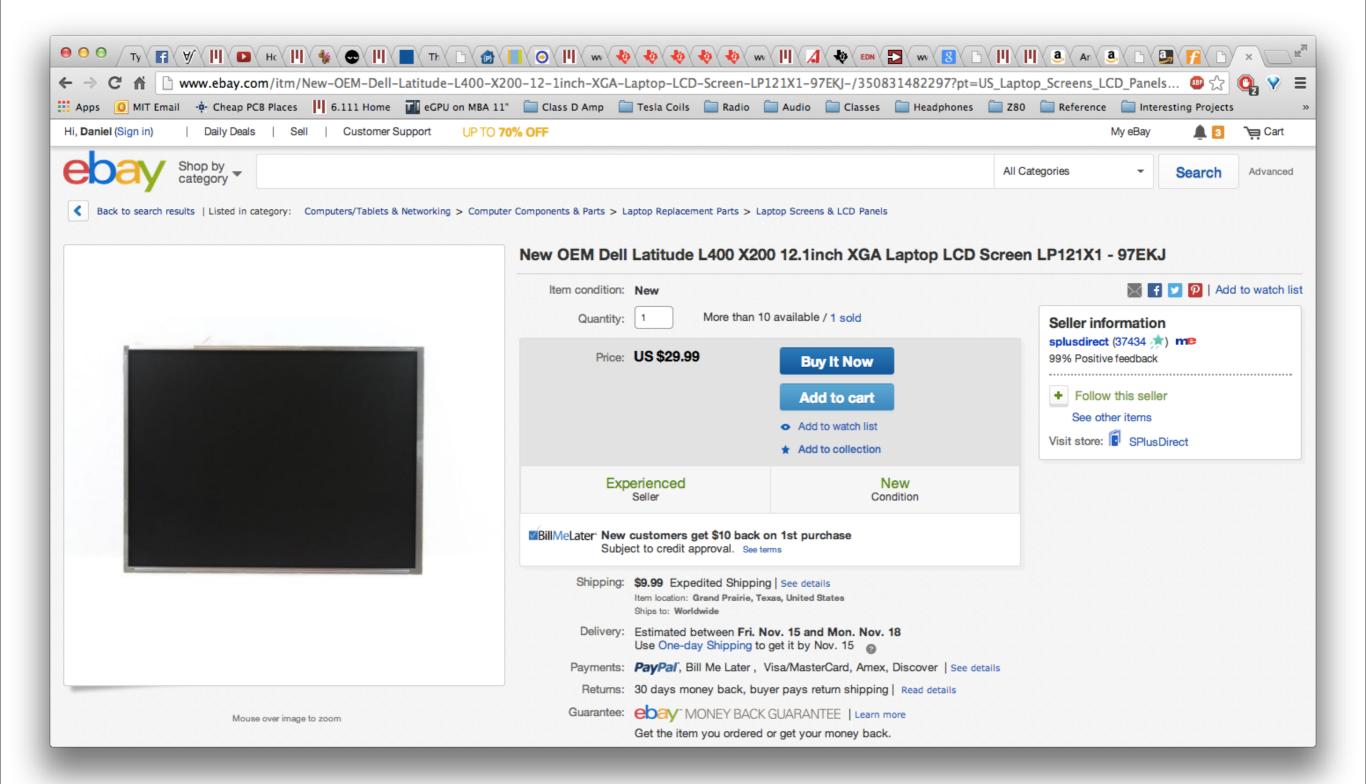
10.1" 1366x768 IPS LCD Screen
Micro HDMI Output

(Source: http://ecx.images-amazon.com/images/I/81UsKLK%2B6LL_ISL1500_.jpg)

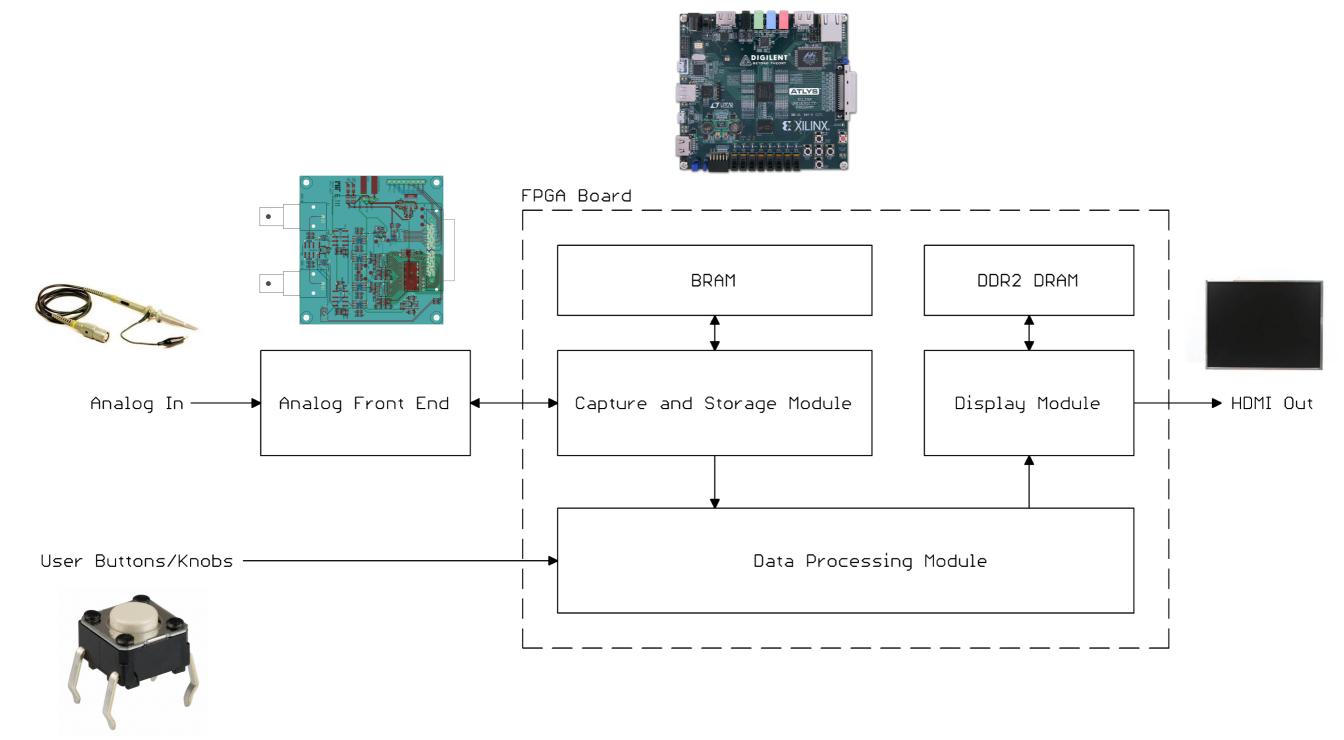
6.5" 640x480 TFT LCD Screen Optional VGA Output Plugin

(Source: http://www.conrad.com/medias/global/ce/1000 1999/1200/1230/1231/123152 RB 00 FB.EPS 1000.jpg)

ECONOMIES OF SCALE?

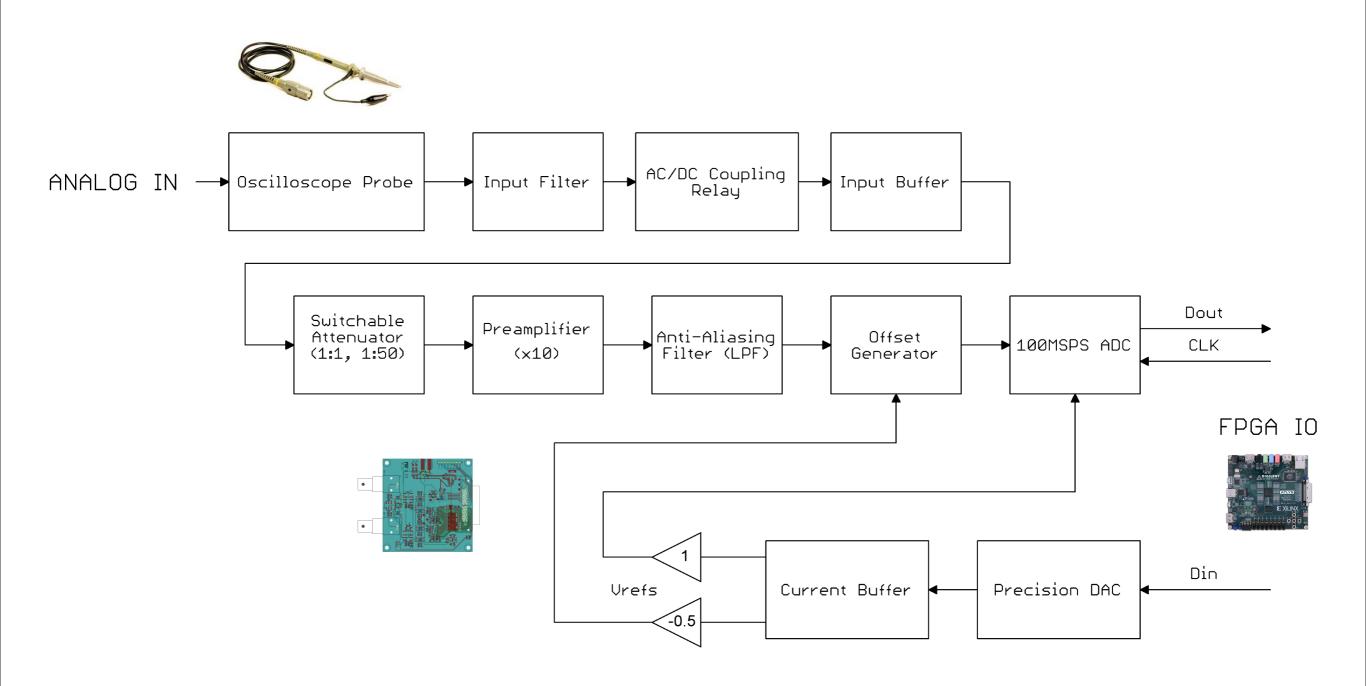


TOP-LEVEL DIAGRAM

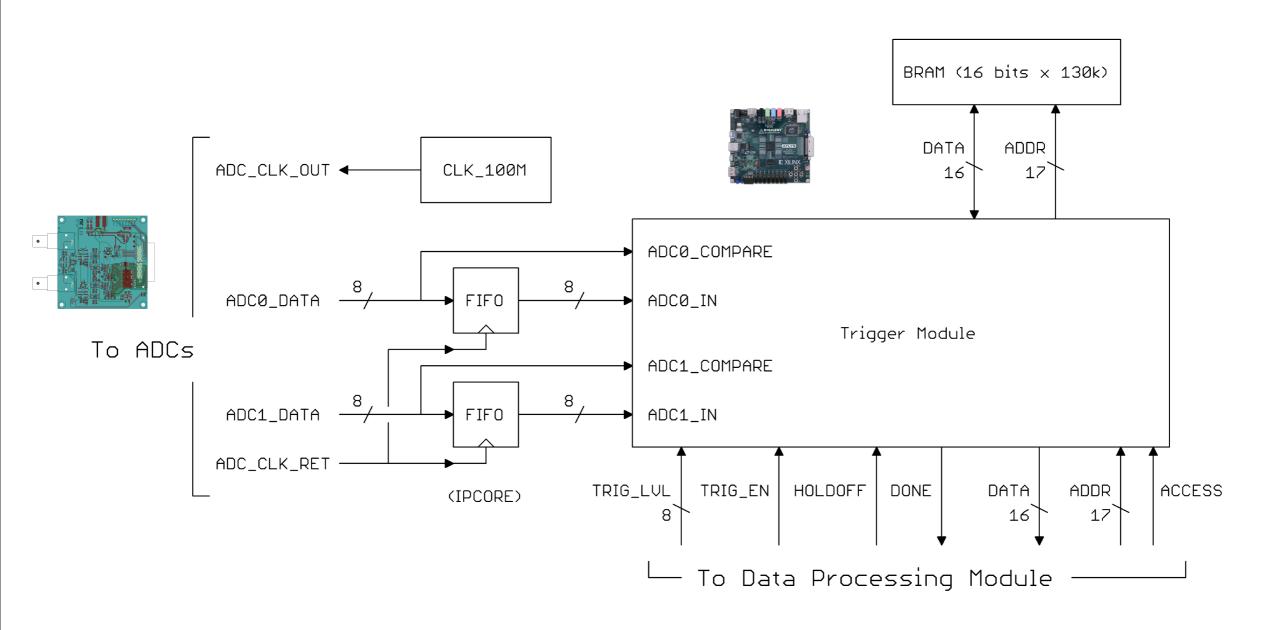


(Source: http://www.myweb.ttu.edu/mhelm/DigitalKit/Pushbutton Switch.jpg)

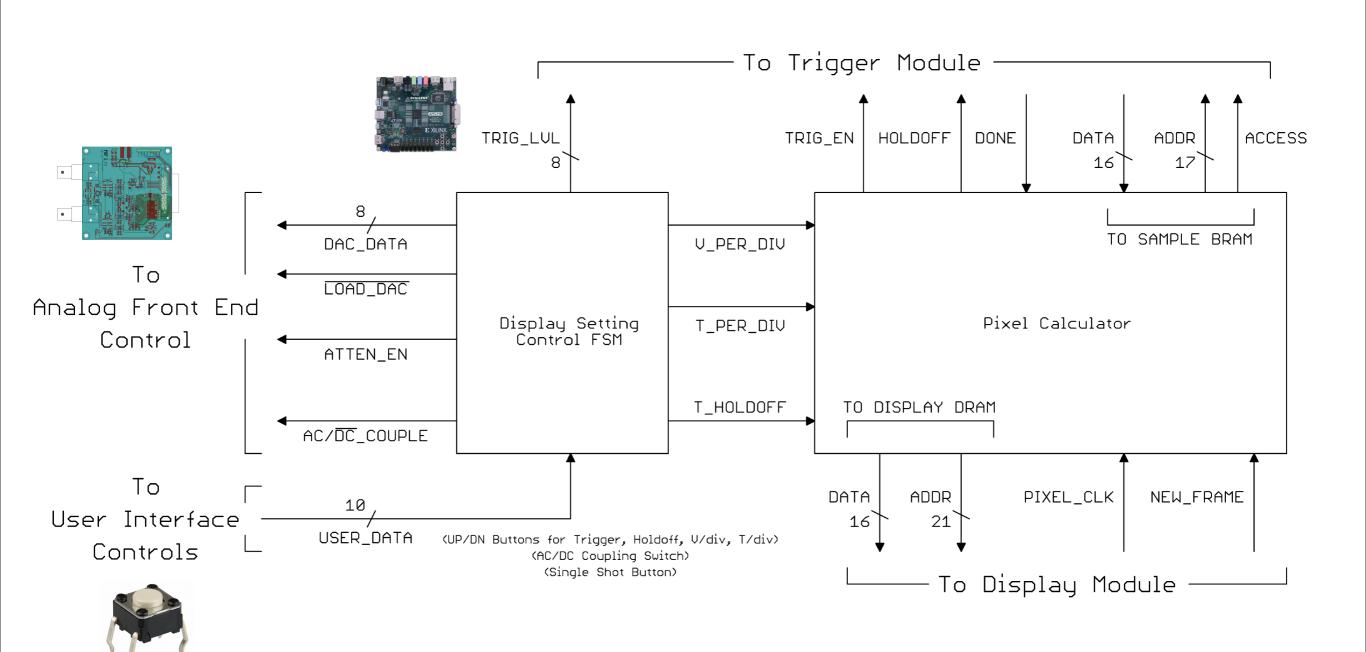
ANALOG FRONT END



CAPTURE AND STORE

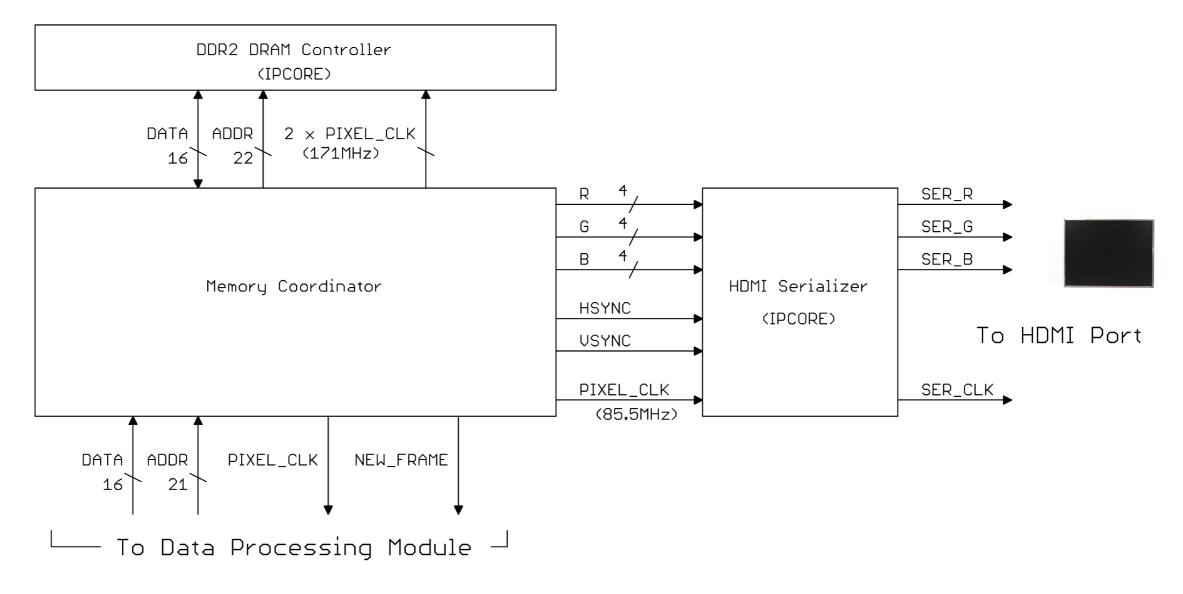


DATA PROCESSING

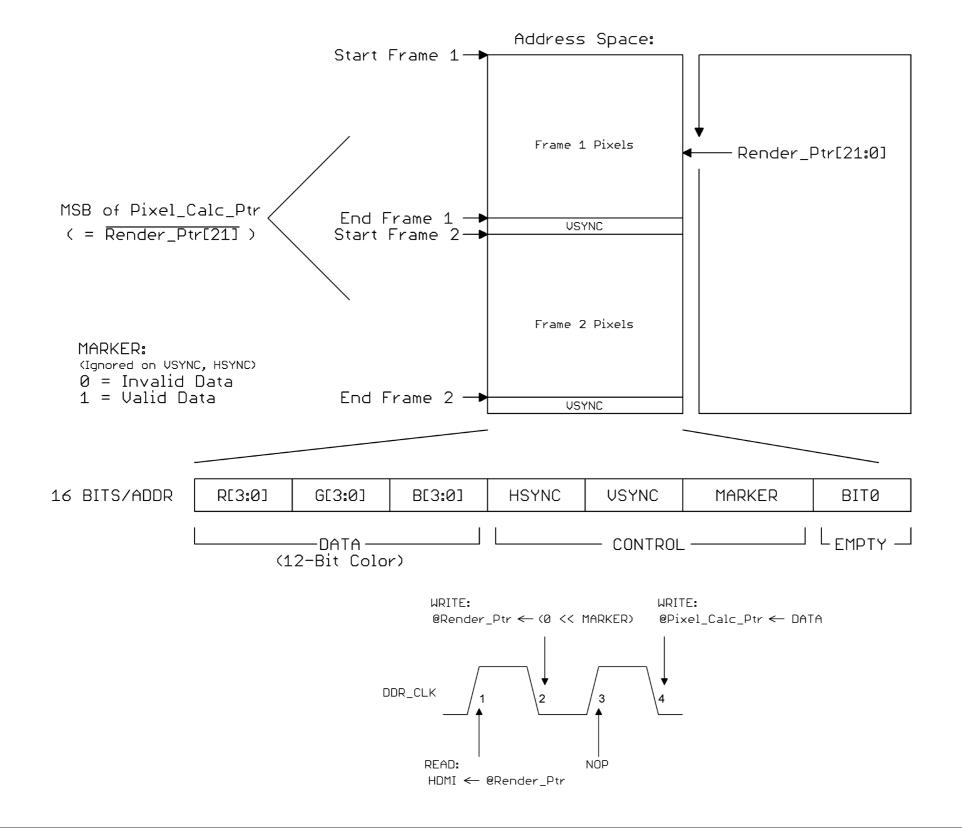


DISPLAY





DDR2TIMING



TIMELINE

- Week of 11/4: Schematic, board layout, and sendout of analog front end.
- Week of 11/11: Display module written and tested with Pong game.
- Week of 11/18: Board assembled and tested (arrives on Wed. 11/20)
- Week of 11/25: Basic single-shot trigger module and data processing module written and tested.
- Week of 12/2: Debug, work on adding continuous sampling and user interface stretch goals.

QUESTIONS?