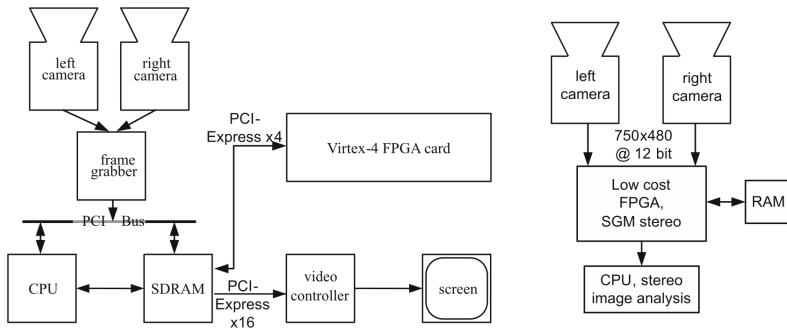# A Real-Time Low-Power Stereo Vision Engine Using Semi-Global Matching
S. K. Gehrig, F. Eberli, and T. Meyer (ICVS 2009)

- Low-power implementations of real-time stereo vision systems not available in existing literature

- Contributions:
    - Introduces a real-time low-power global stereo engine based on semi-global matching (SGM)
    - Achieves real time performance by parallelization of the path calculator block and subsampling of the images

- Evaluates on Middlebury database