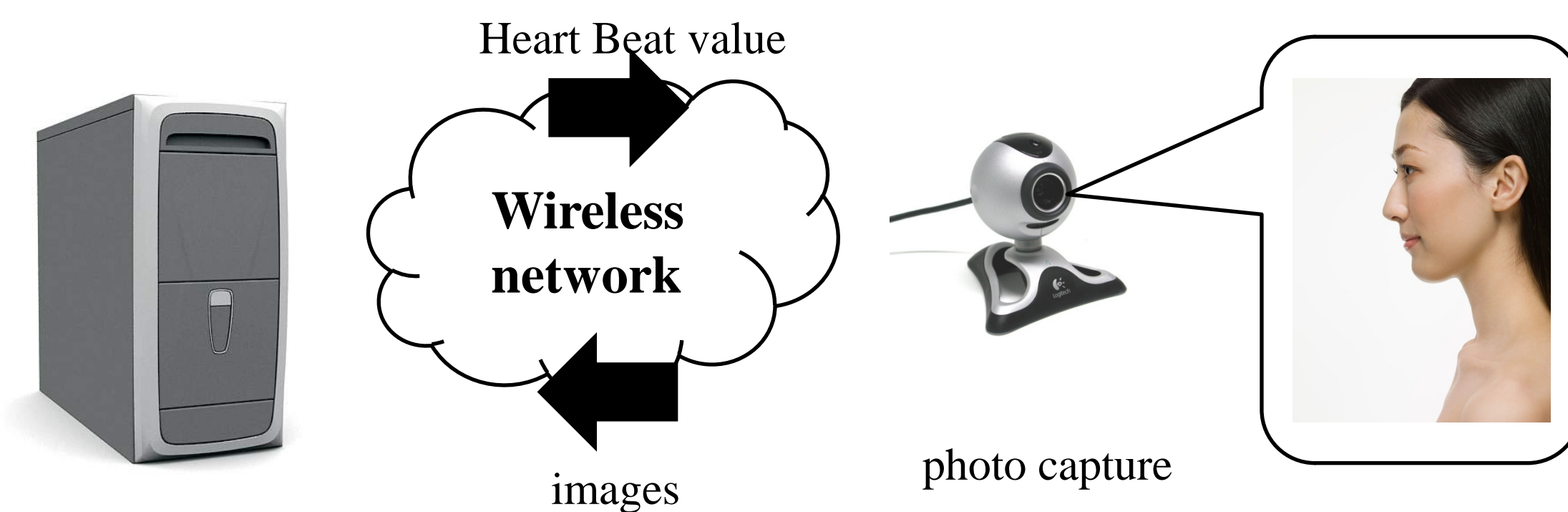


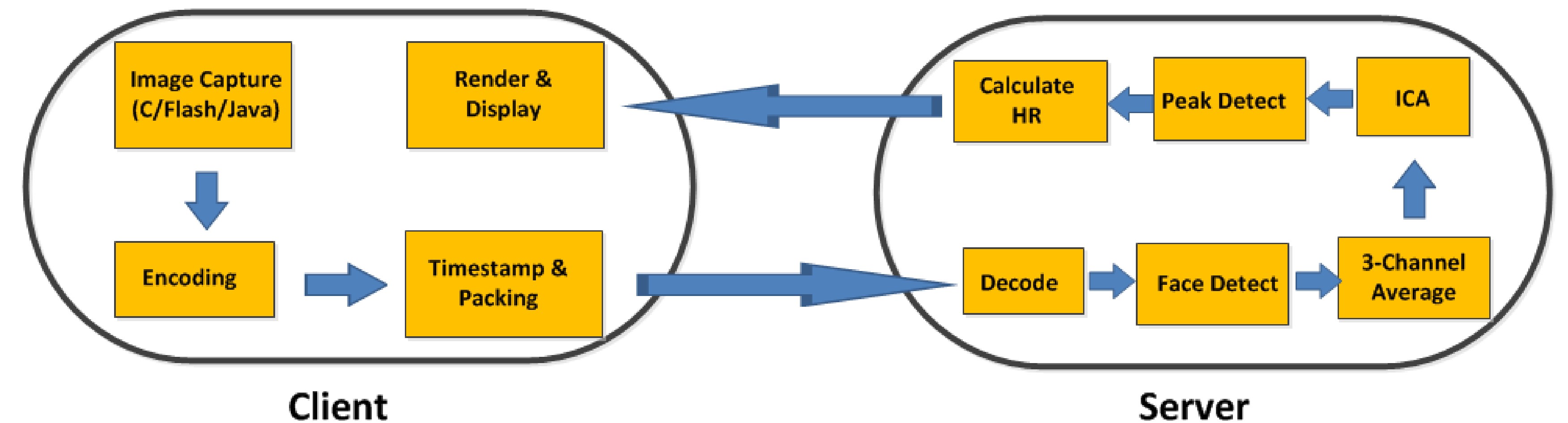
Mobile Cardiac Pulse Measurements

Haomiao Jiang, Haiying Xia, Zhouxiao Bao
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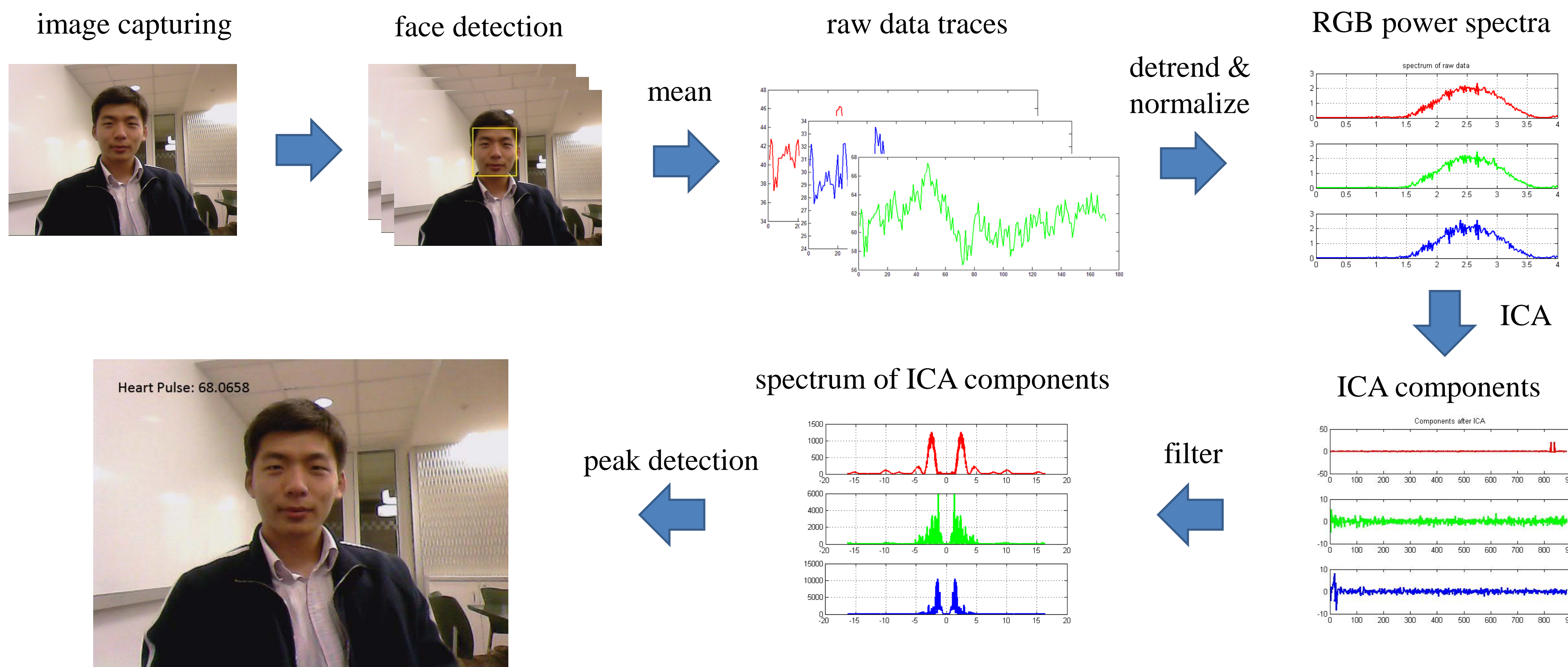
Cardiac measurement application



System Structure



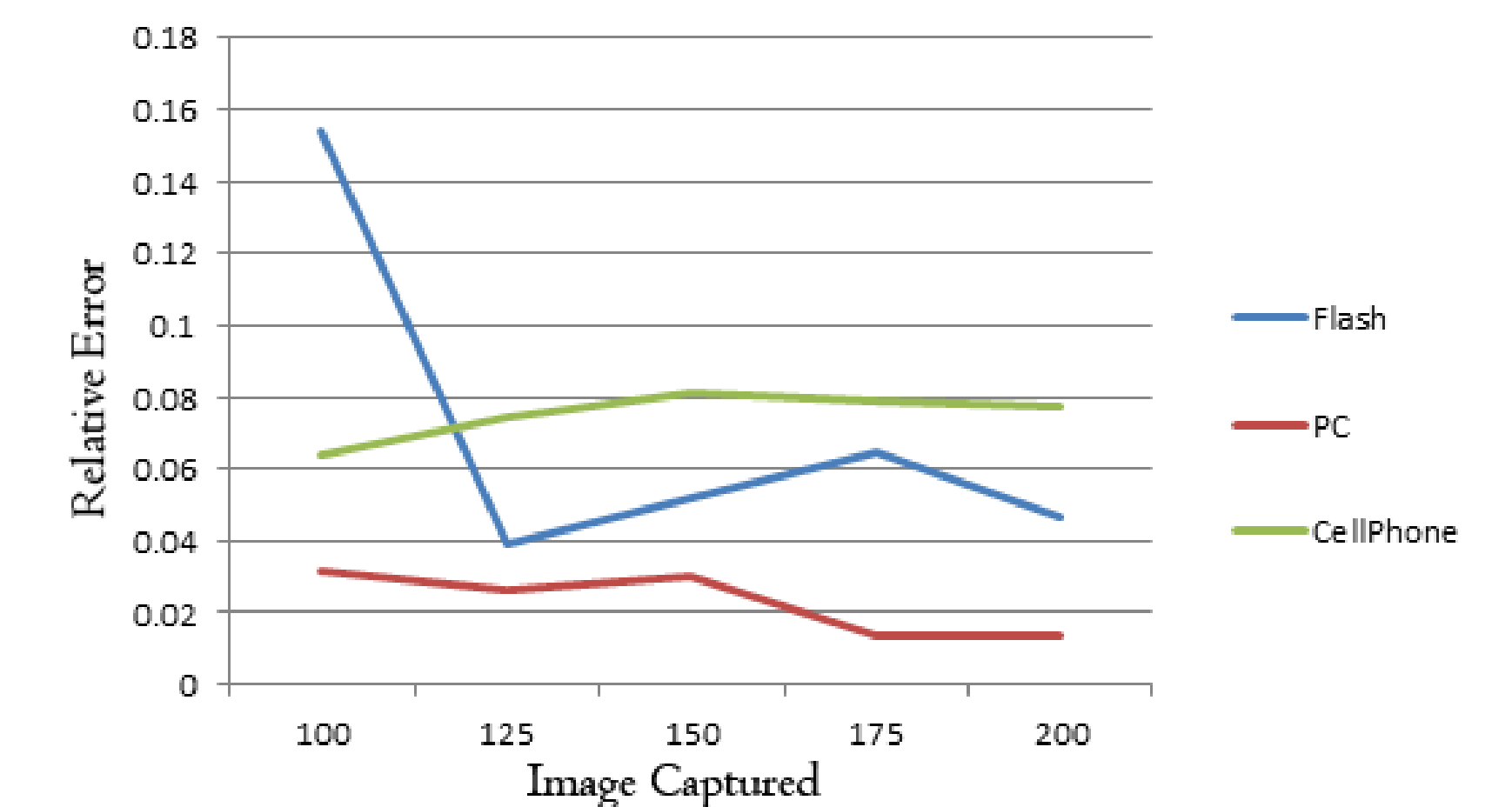
Post-processing



Future work

- Improve the accuracy and robustness
- Feature tracking and light adjustments for moving objects
- Cardiac rate measurement for multiple faces.

Experiment result



Relative error of three different versions:
PC: 2% Flash: 3% Mobile Phone: 5%