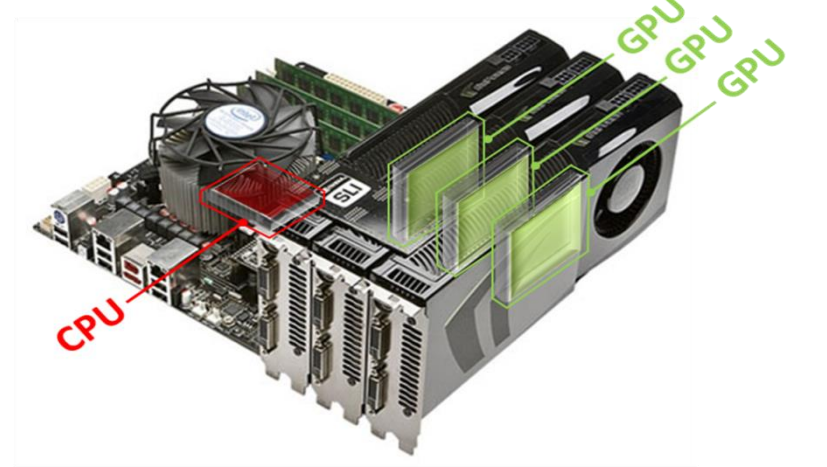
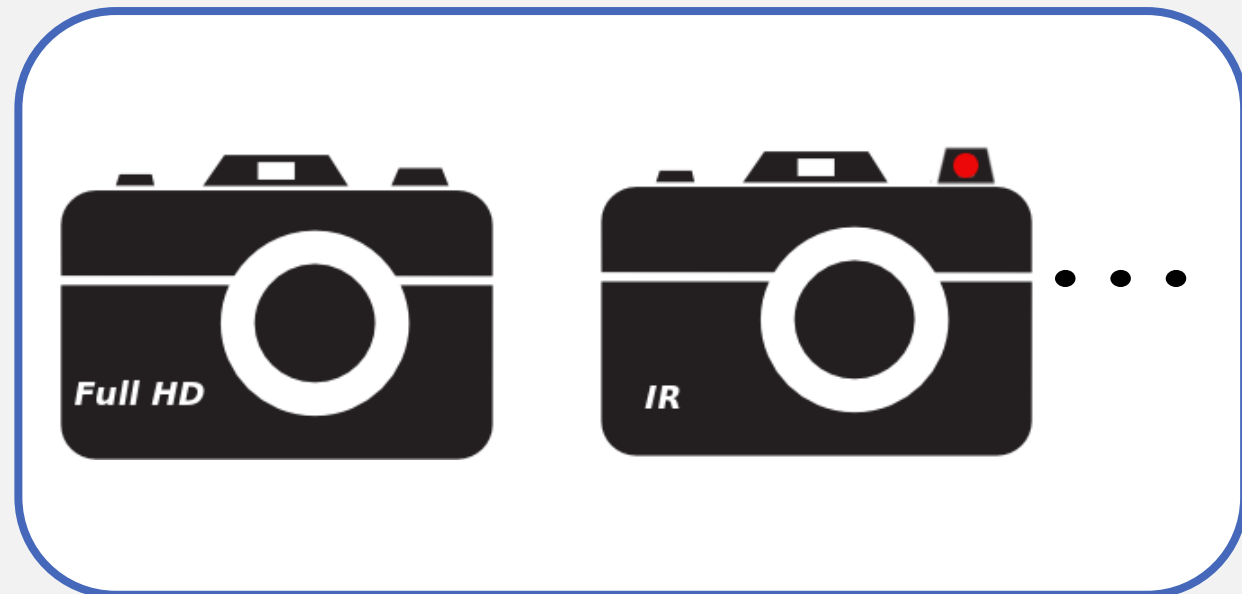




Sidi Ahmed Mahmoudi and Pierre Manneback



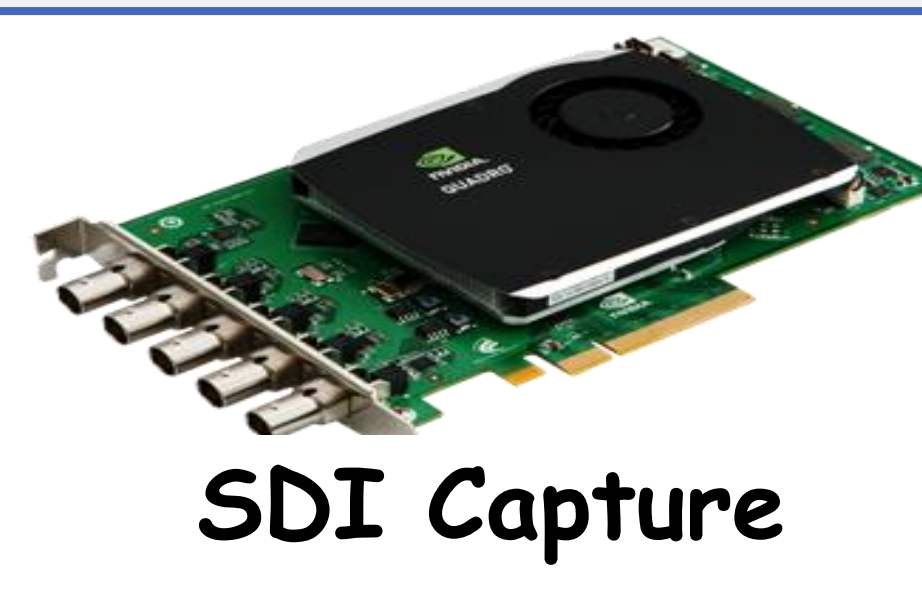
Input data



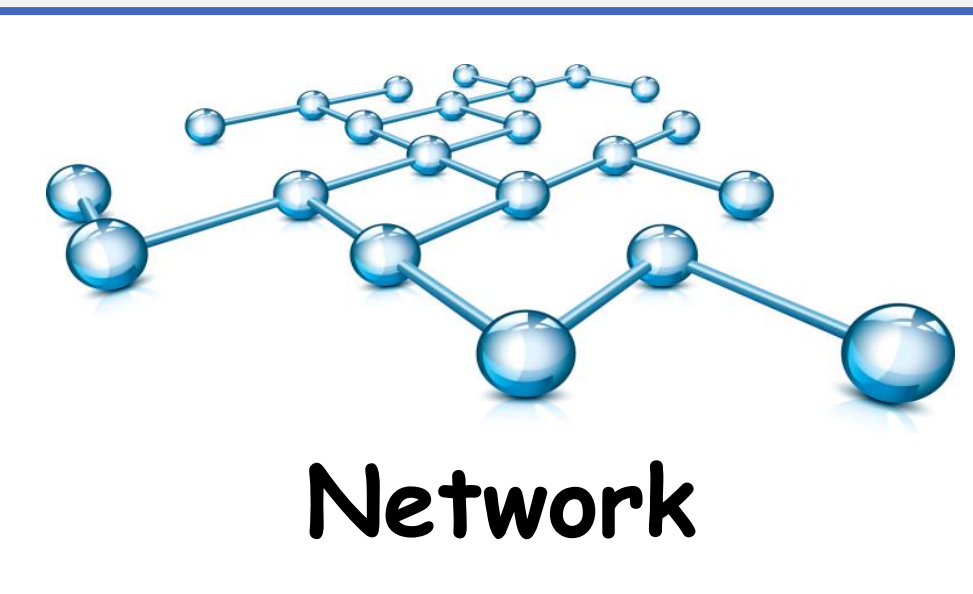
Input devices



HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE



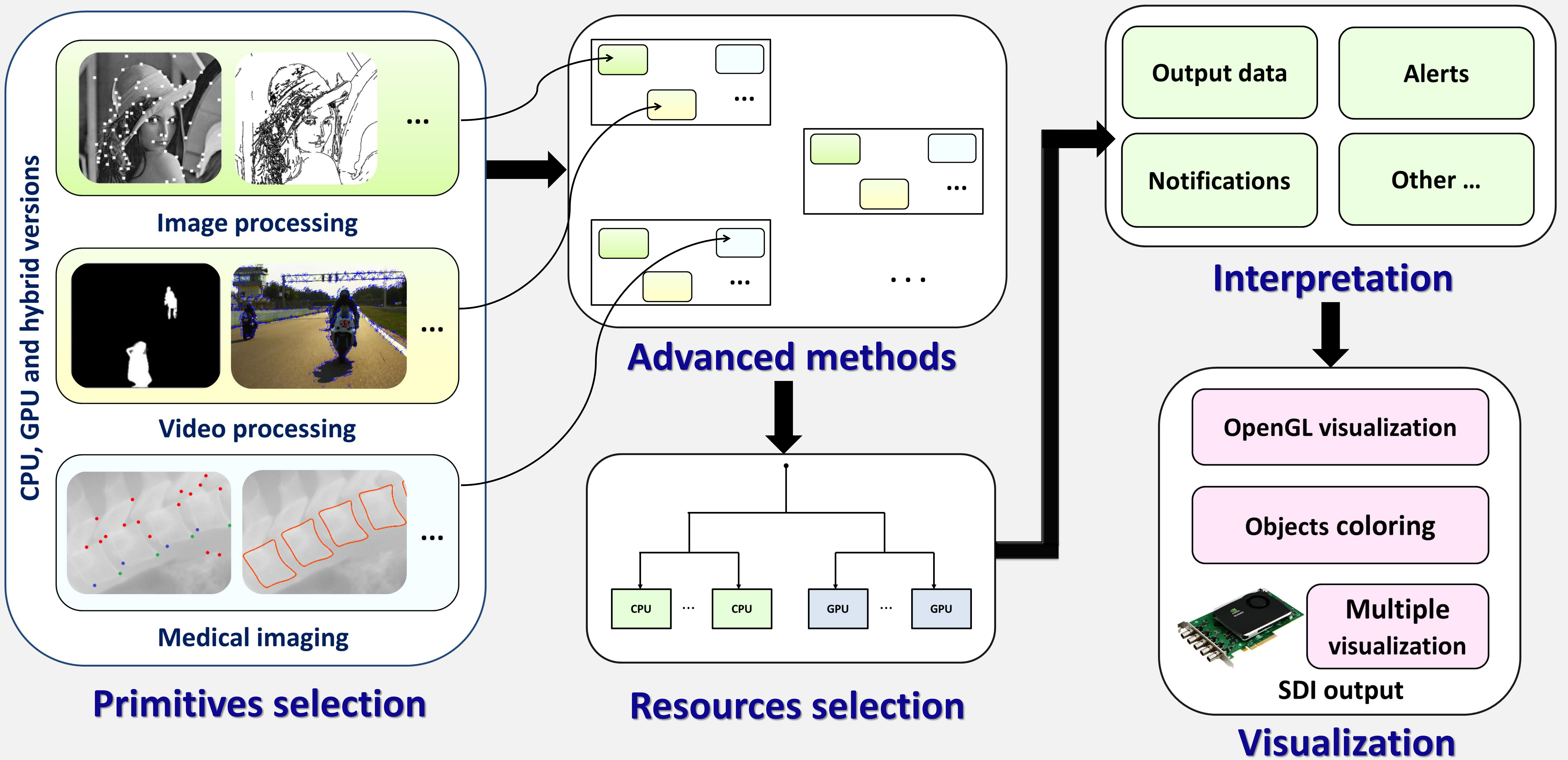
SDI Capture



Network

Data acquisition

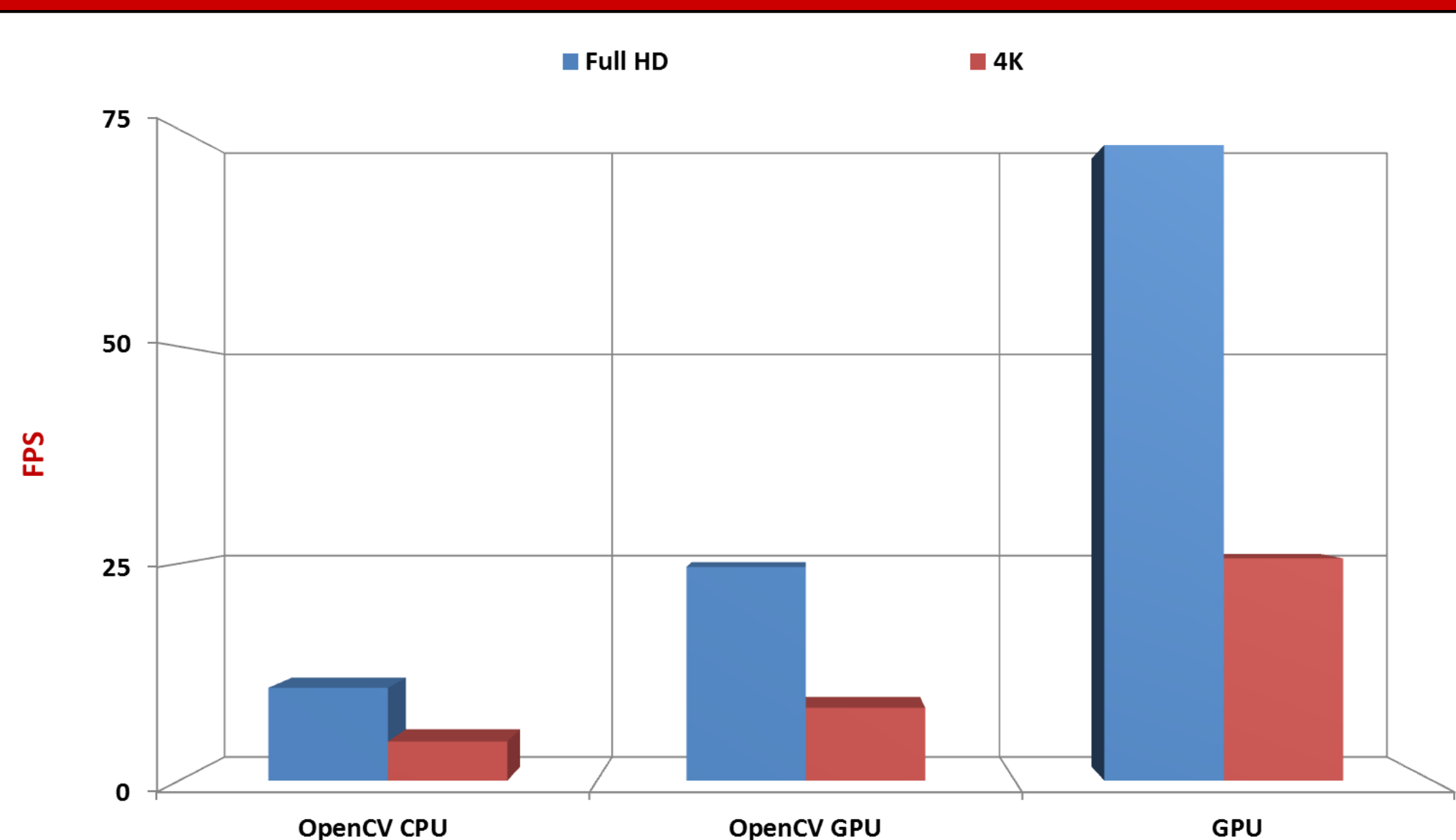
Smart Processing



Given scenarios



Result: motion tracking



Conclusion

- CPU, GPU and Multi-CPU-GPU processing
- Smart selection of algorithms accordingly to given scenarios
- Smart selection of resources (CPU and/or GPU)
- Real time processing of Full HD/4K videos

