apertus open source cinema



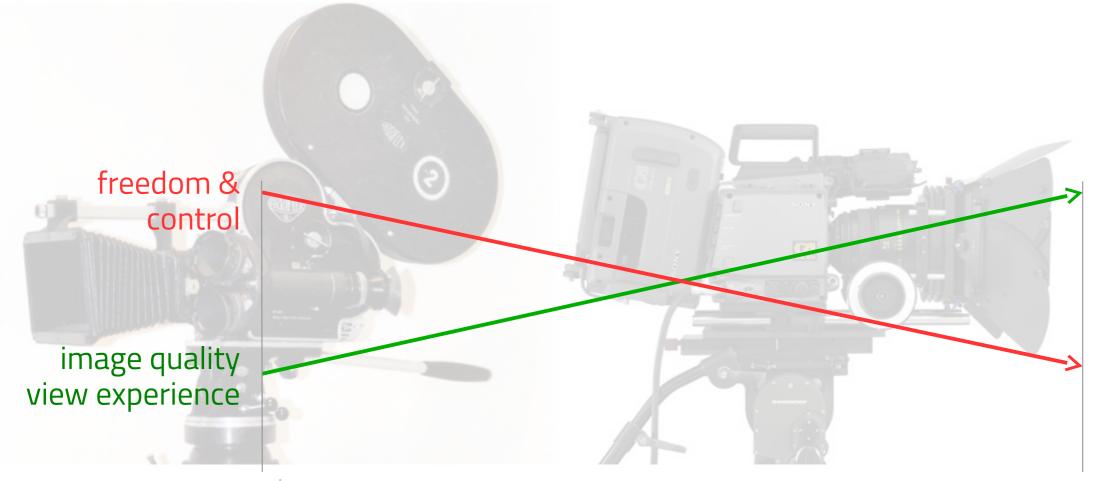
"I grew up as a photographer in a dark room, and I miss the intimacy of watching the image slowly appear on the paper in red of the safe light. The beauty of an open source camera to me is a step back toward the dark room, in which making the tools is part of the joy of making the art."

Lee Parker – IMAX Cinematographer









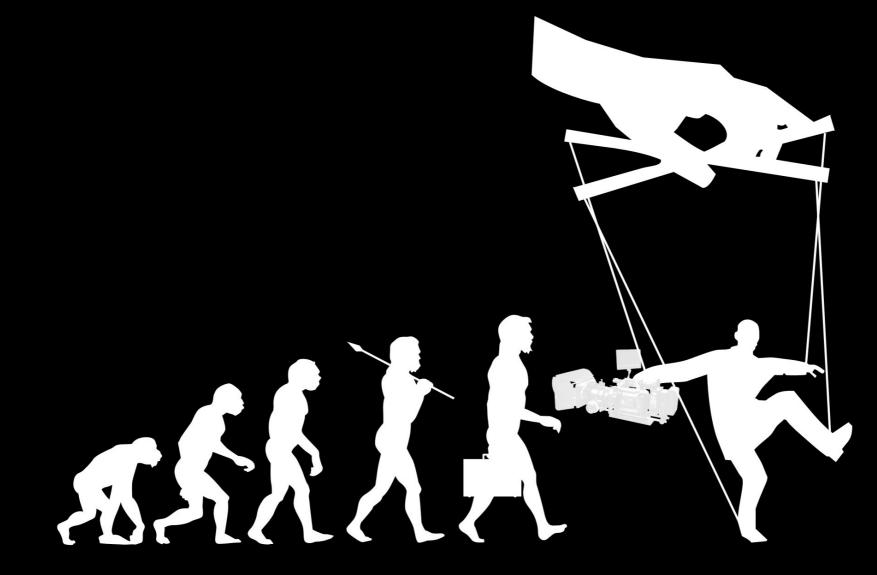
past

NOW













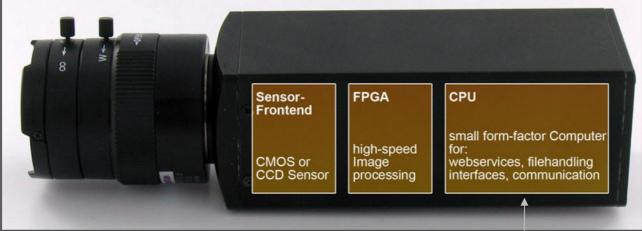




"Apertus" – Latin: open; free; public; frank; clear









apertus^o open source cinema



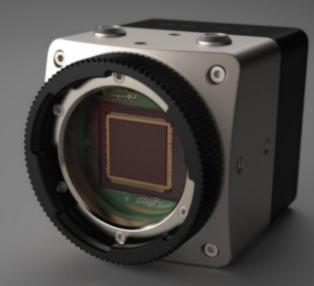




Stereo 3D Rig: Nathan Clark and Winnie Young (Australia)



4K Resolution Super 35mm Sensor Global Shutter Up to 15 F-Stops Dynamic Range High Speed at Full Resolution Cinema DNG Raw Recording Well below 10.000\$ Target Price Crowdfunding this year



Concept Image (work in progress)









Open Module Concept

Build your dream camera, one module after the other. Disclaimer:

This is a concept! It's a snapshot of the current ideas, it does not mean everything will end up exactly like it is described here. It does show however in which direction we want to go in the future.





Axiom Alpha

proof of concept prototype

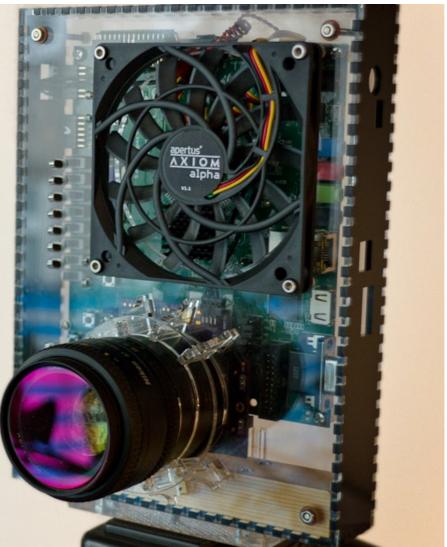
super35 image sensor

Full HD HDMI video from 4K

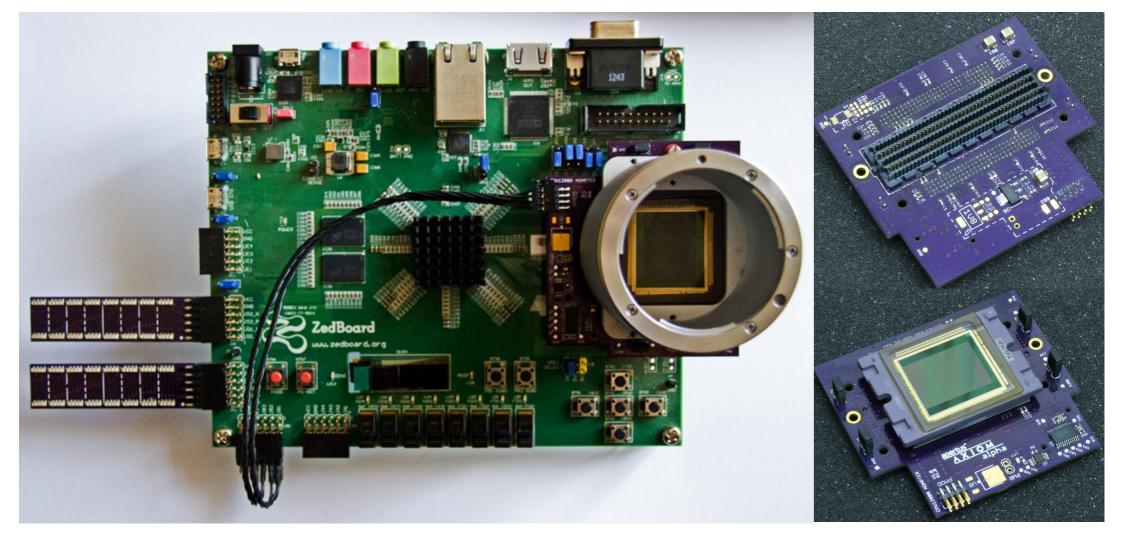
uncompressed 4K raw still images

Nikon F-mount

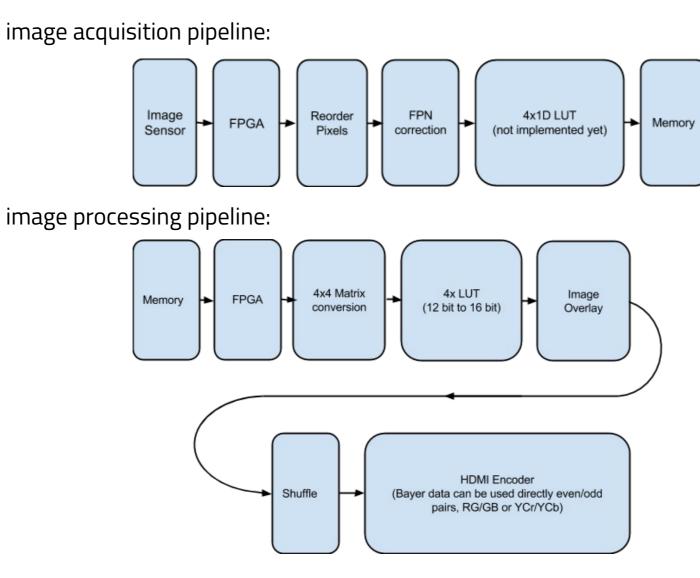
Zedboard, embedded Linux



apertus^o open source cinema









the future

even filmmakers are getting more "open source"-aware

sustainable & socially responsible manufacturing

camera service/hardware/software ecosystem



immediate next steps

prototype miniaturization

Horizon 2020 EU grant application

crowd funding

join us!



Sebastian Pichelhofer

sp@apertus.org

Herbert Pötzl

hp@apertus.org

team@apertus.org

www.apertus.org

Photo Credits:

Nathan Clark

R. Cao (Creative Commons – flickr.com)

Sebastian Pichelhofer