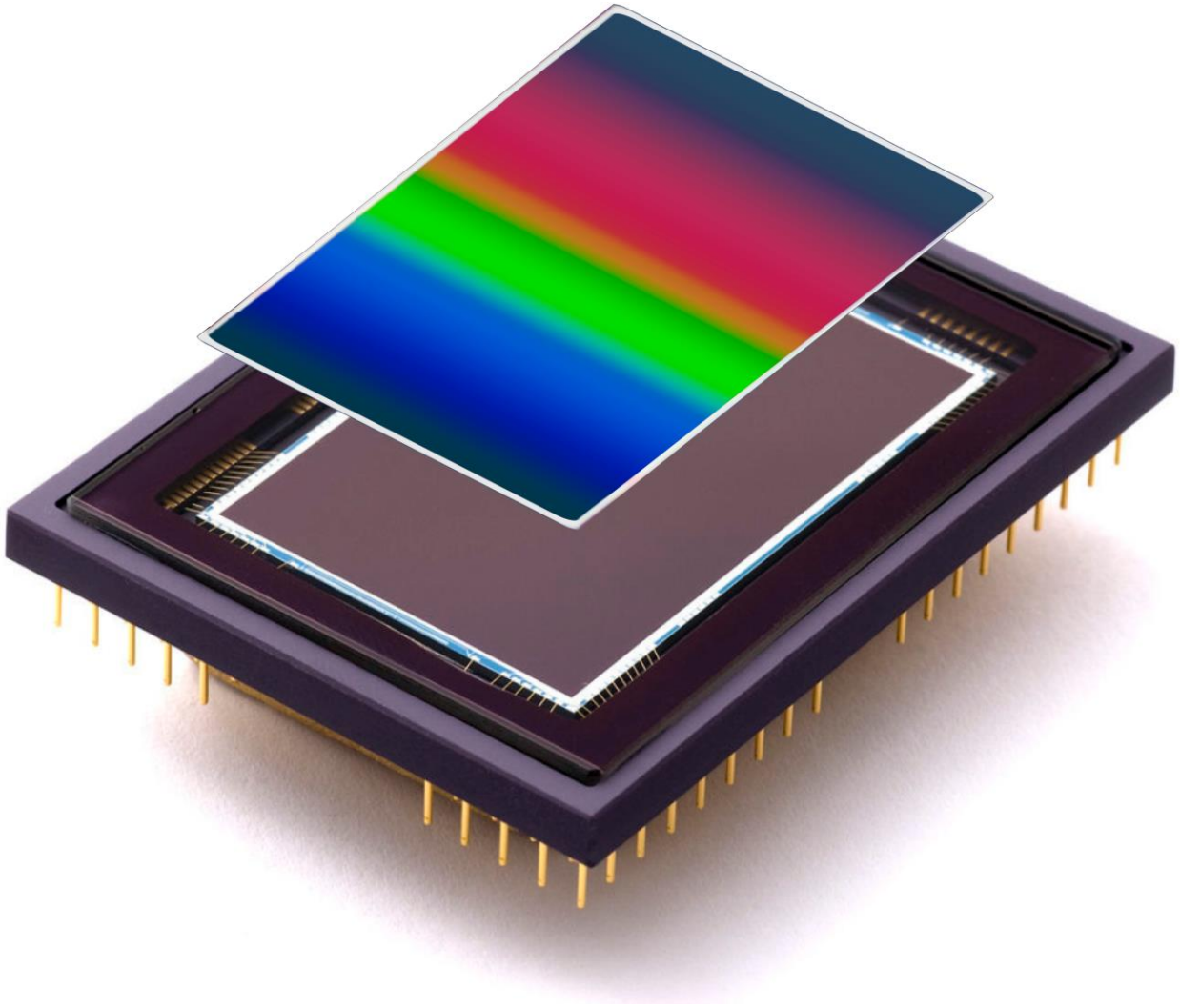
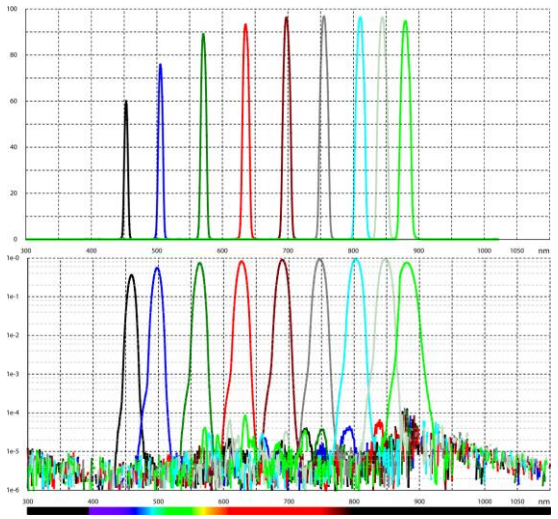
CVF based Hyperspectral Imaging detector



- Compact
- Robust
- Light efficient
- High signal to background ratio
- Inexpensive
- Simultaneous 3D measurements
- Snapshot possible



Oliver Pust, Delta Optical Thin Film A/S,
EPIC Online Technology Meeting on Hyperspectral Imaging

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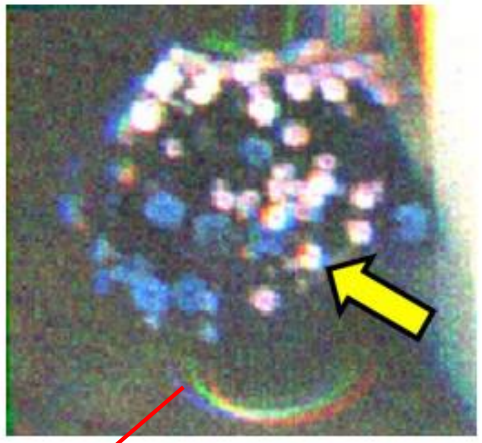
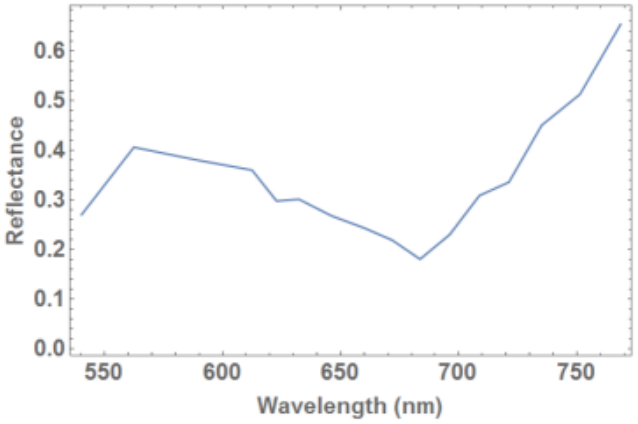
(a) Acquiring image data by flying in circuits around an office building.



(b) The flower pot seen by the airborne hyperspectral camera. The arrow points at one of the flowers chosen for example spectrum extraction.



Estimated spectrum of the flower marked in Figure 5b.

(b) Two views of the resulting 3D model created by Spotscale AB, in these pictures shown with texture from an "ordinary" RGB camera.

Jörgen Ahlberg, Ingmar G. Renhorn, Tomas R. Chevalier, Joakim Rydell and David Bergström; Three-dimensional hyperspectral imaging technique. Proc. of SPIE Vol. 10198, 1019805; https://doi.org/10.1117/12.2262456

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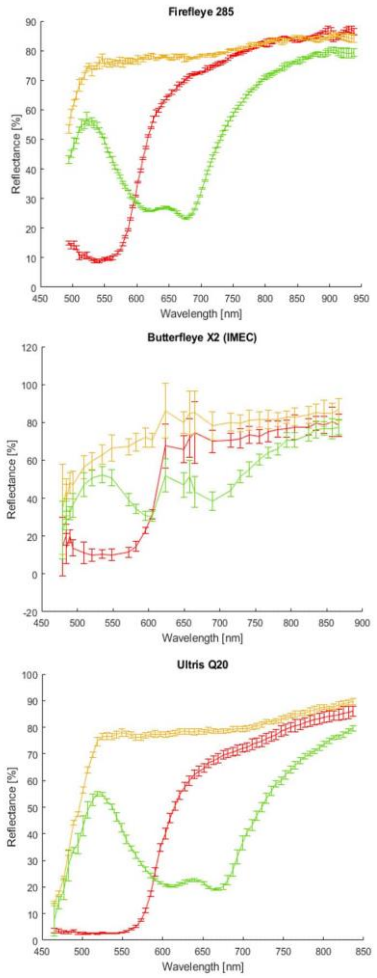
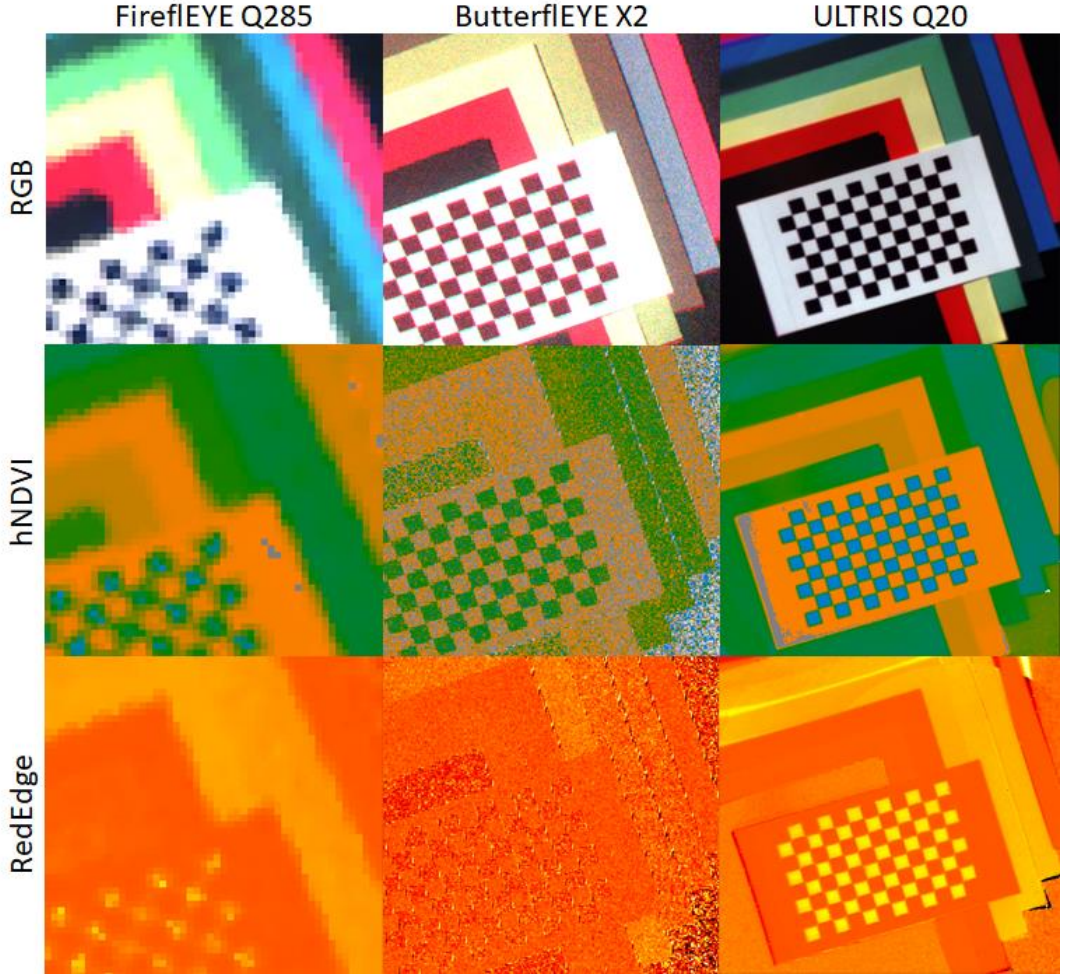
Industrial 3D snapshot camera from Cubert





Raw image of Multispectral camera: 11x6 spectral channels

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