

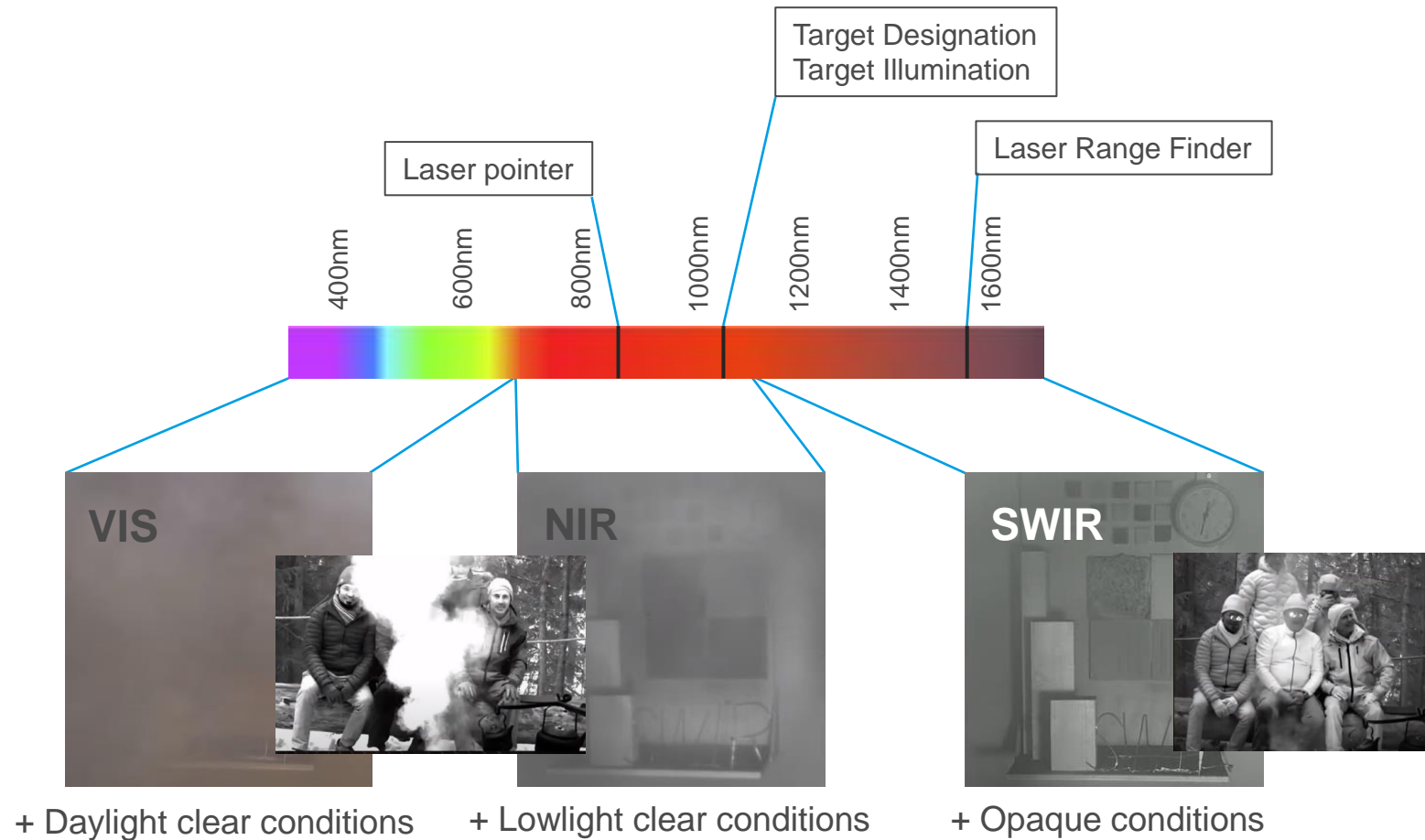
Roman Szatkowski

24.01.2024

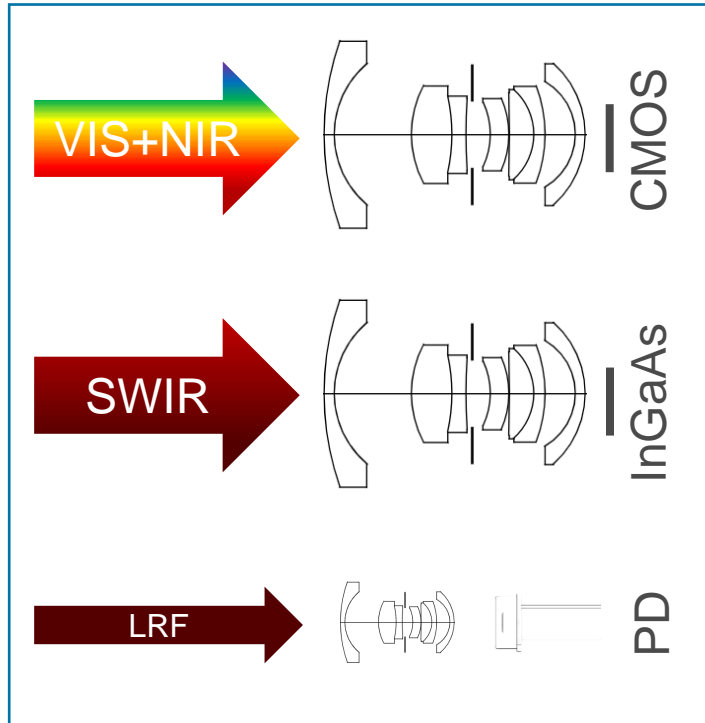
FISBA Innovators
in Photonics

Optical architecture consideration for multispectral imaging

Spectral uses



Multispectral optics with separate optical channels

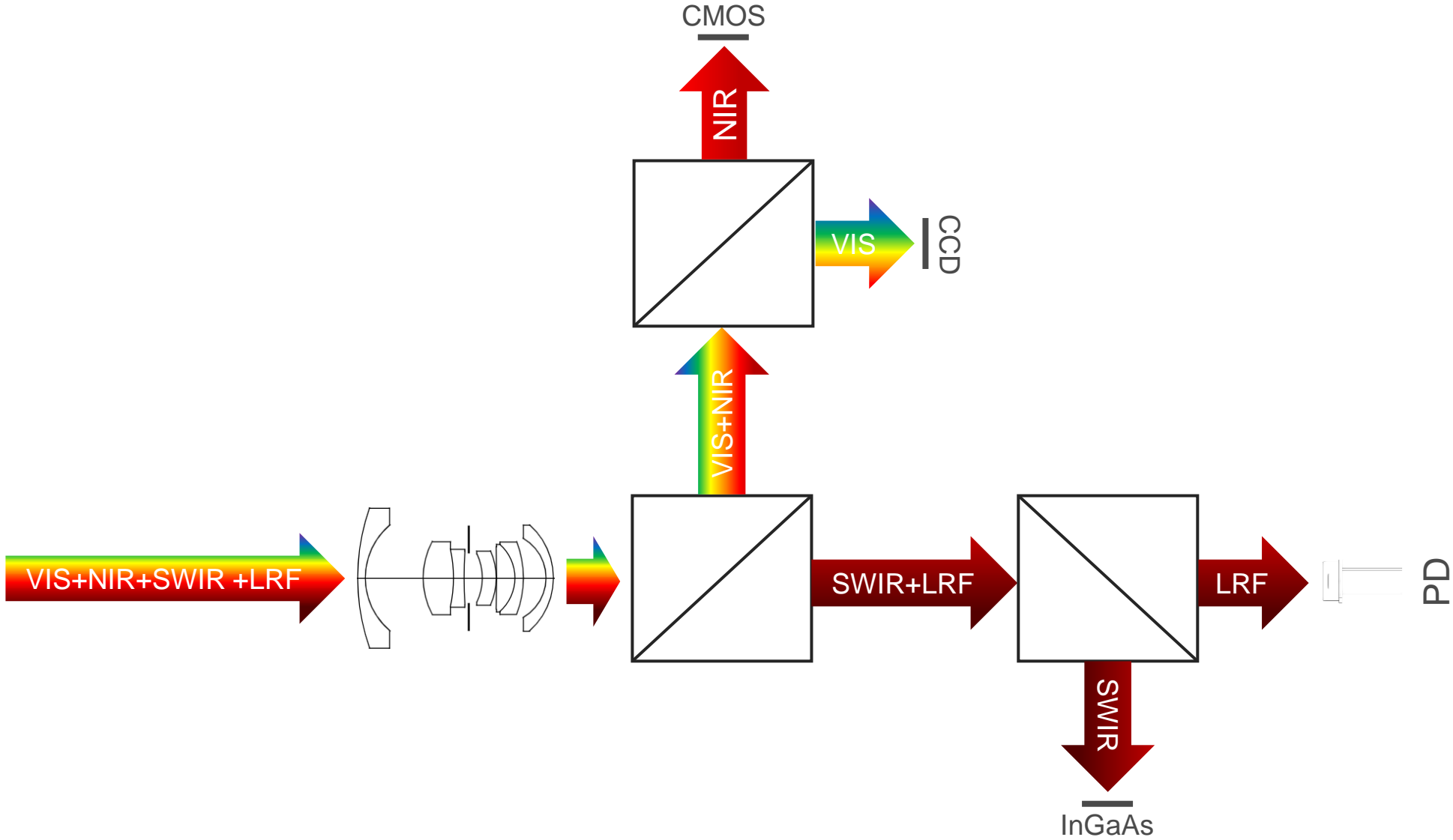


- + Performance
- Cost
- Weight

Perfect for:

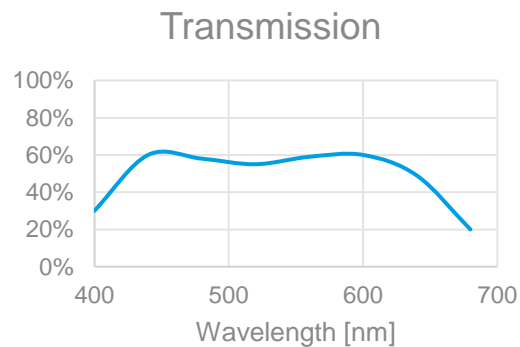
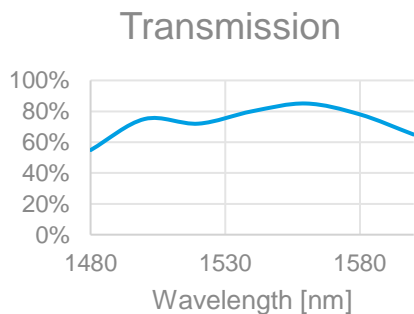


Multispectral imaging with single imaging lens I (THE DREAM)



Multispectral imaging with single imaging lens (The Reality)

- + Weight
- + Cost
- Performance

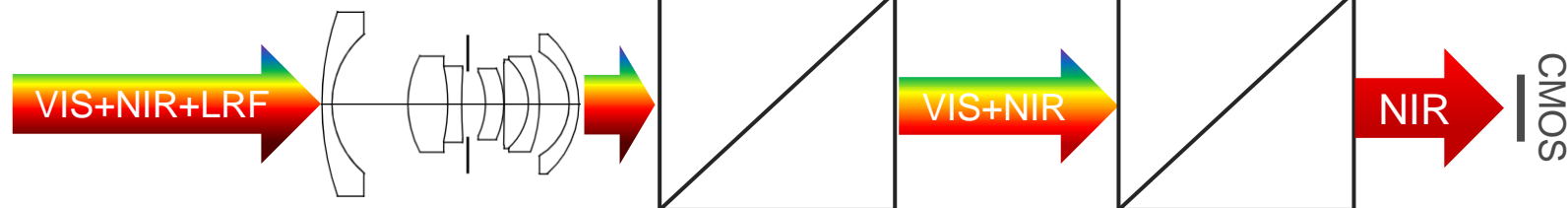


PD

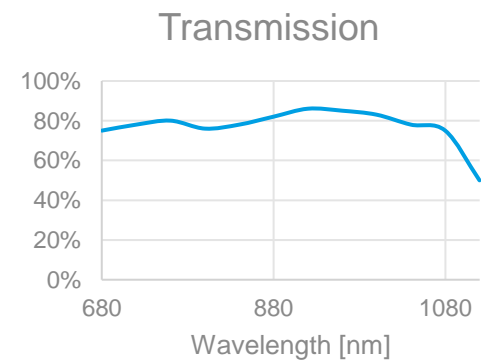


LRF

CCD



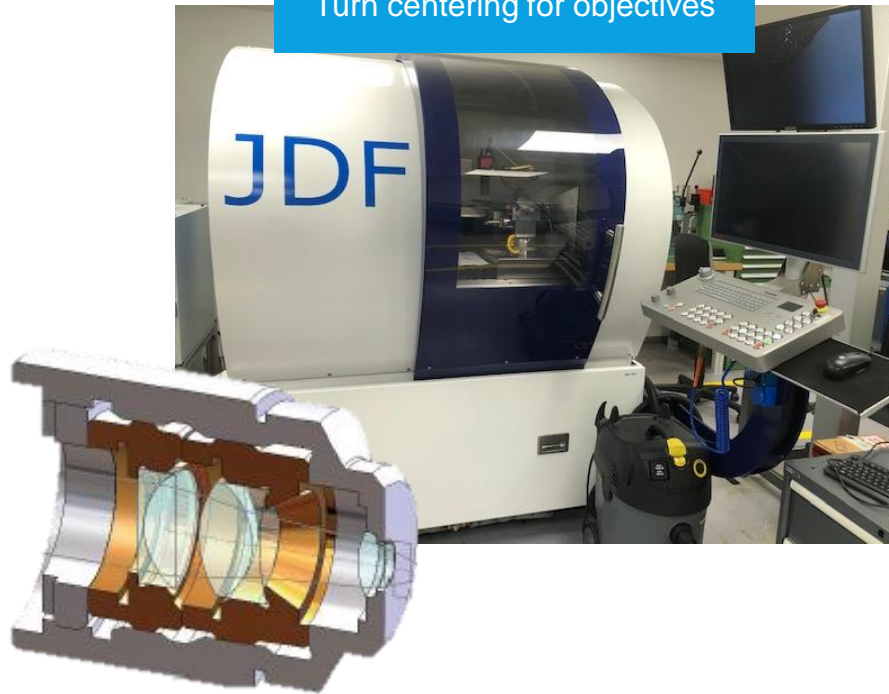
Perfect for:



Manufacturing single aperture multispectral system

Beside all the usual stuff...

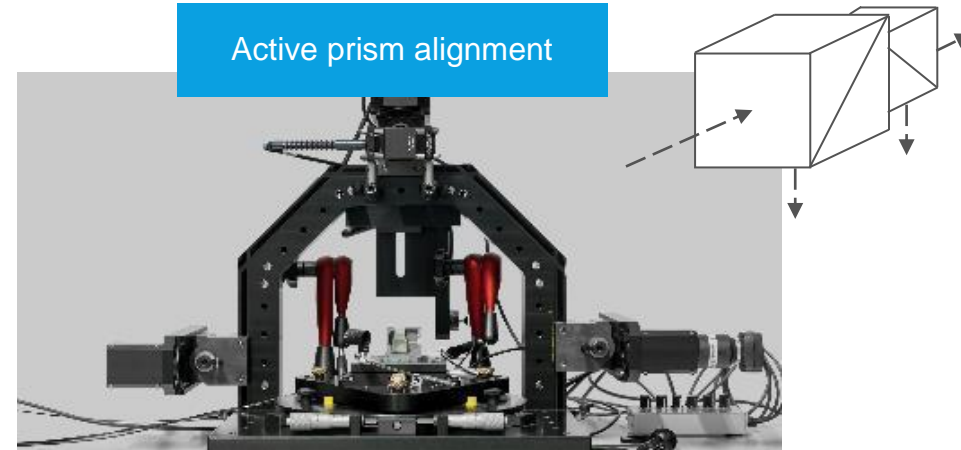
Turn centering for objectives



Expertise in Thin Film Coating



Active prism alignment



On-top @FISBA

Development of new components for laser weapons

- **Sub-nm polishing**
- **Spherical and aspherical surface**
- **High sagitta (>150um)**
- **In fused-silica or oxide glass**
- **Polished cylinder sides**



Additional:



Polished cylinder for contamination free assembly

THANK YOU