

June 12th, 2023

SPECTRHAL: HANDHELD SMART MULTISPECTRAL CAMERA, WITH APPLICATION IN FOOD QUALITY CONTROL

SPECTRHAL

Self-powered



Controlled illumination from 400 to 970nm



SPECTRHAL - SPECIFICATIONS

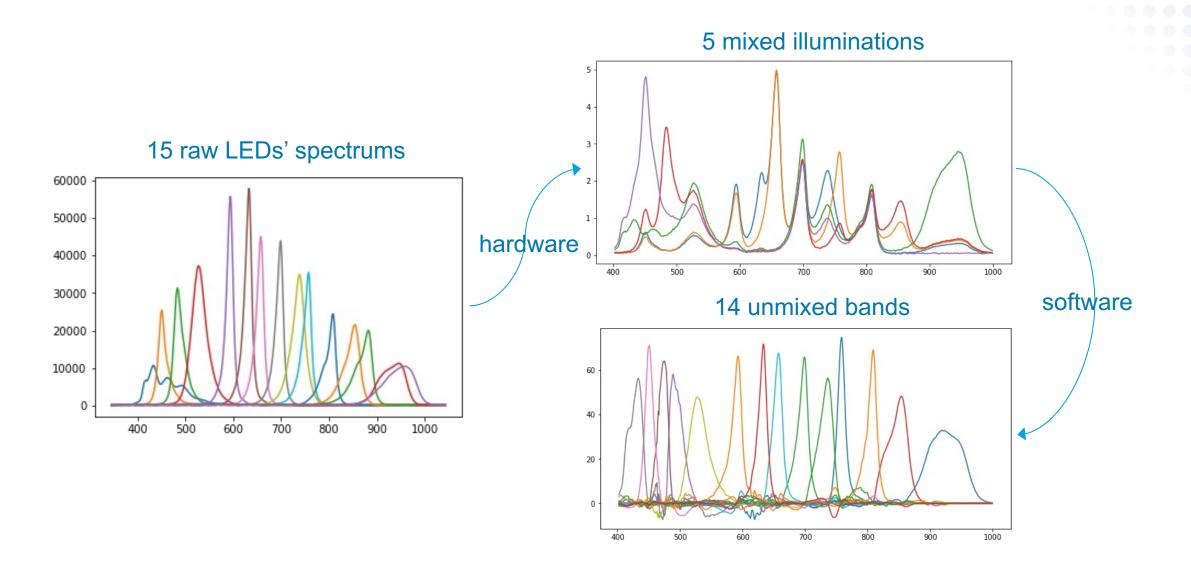
- High resolution
- Cube acquisition
- Multispectral
- Wide spectrum
- High-end processing
- Realtime processing
- Wireless communication

1.2 Mpx 12 Hz * 15 bands 400 to 970nm 4 core CPU + GPU TensorRT, TensorFlow Web-based GUI





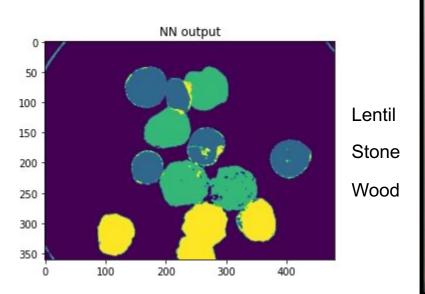
ACTIVE ILLUMINATION





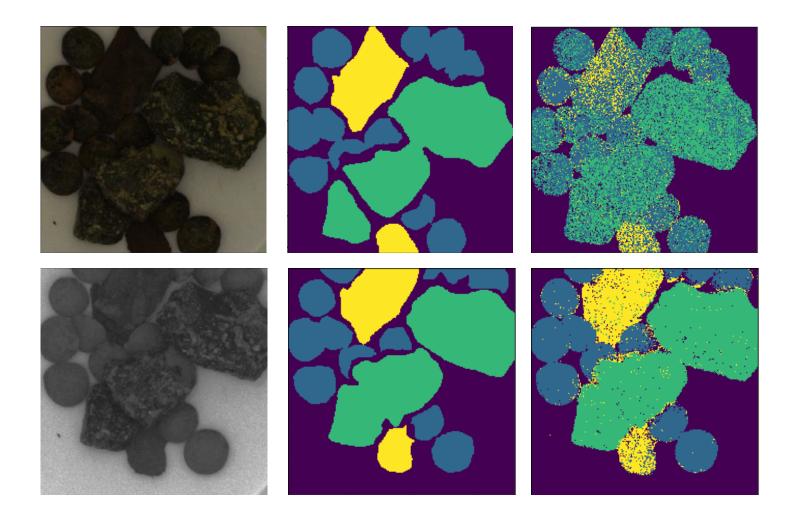
APPLICATION SPECIFIC ILLUMINATION

To discriminate lentil versus stone & wood : only 2 acquisitions are enough





MULTISPECTRAL VS. RGB



RGB

Multispectral





FACING THE CHALLENGES OF OUR TIME