

COSI

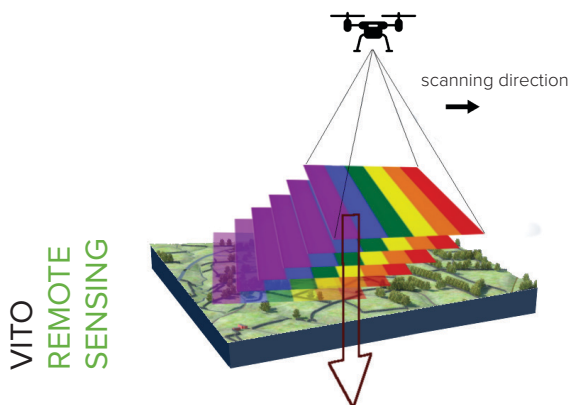
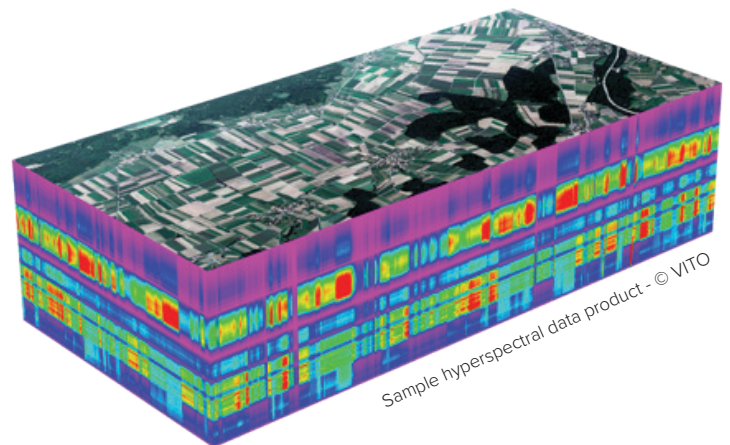
COMPACT HYPERSPECTRAL IMAGING SOLUTION

Linear variable filter technology provides important benefits for operating hyperspectral cameras on small platforms like RPAS and small satellites:

- Compact
- Lightweight
- Low cost

The COSI Image based processing solution allows to realize high spatial resolution image products for:

- Vegetation monitoring: agriculture, bio-diversity
- Experimental plot monitoring



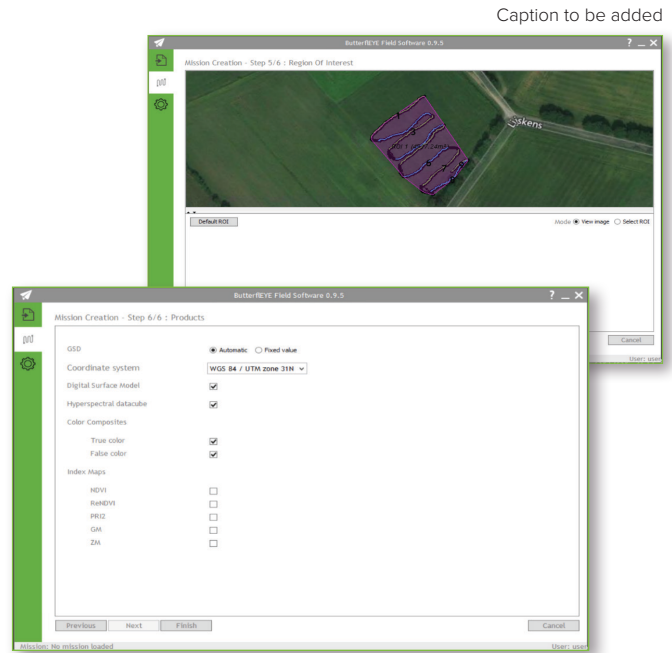
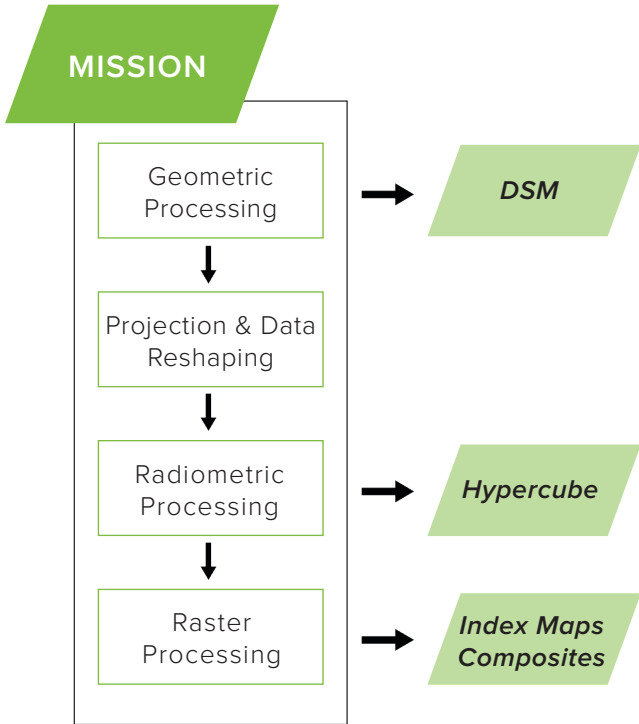
COMPACT HYPERSPECTRAL CAMERA

FEATURE	CAMERA SPECS
• spectral range	470-900 nm
• bandwidth	5-10 nm
• swath in pixels	2000
• GSD	10 cm (@ 100 m altitude)



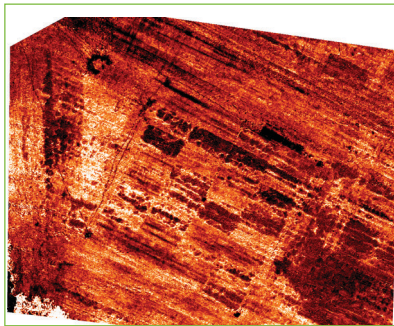
AUTOMATED PROCESSING

The unique COSI software processes the raw image data from a compact linear variable filter based hyperspectral camera into a set of pre-defined image end products.

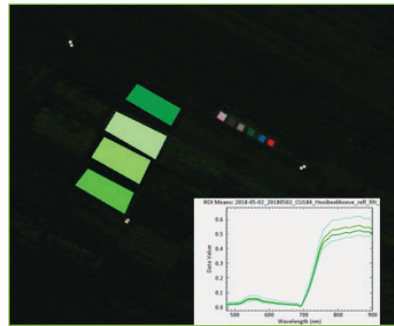


HIGH RESOLUTION IN FULL SPECTRUM

Some examples of COSI images products:



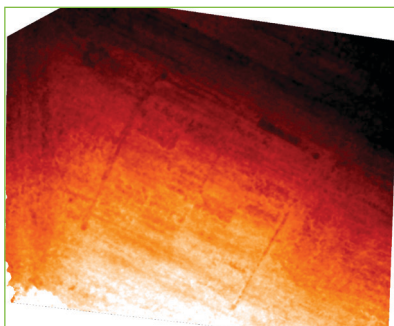
CIP1: Digital surface model



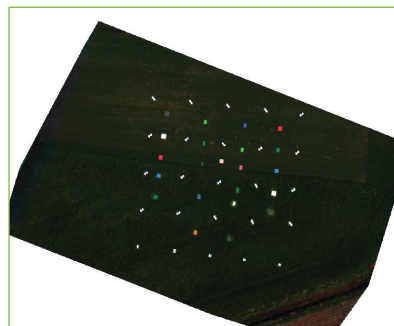
CIP2: Hyperspectral data cube



CIP3: NDVI



CIP3: Zarco-Tejada & Miller Index



CIP4: True colour composite



CIP5: False colour composite

