

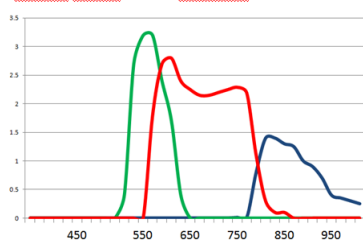
Calibrated CIR camera for agriculture and forestry



MosaicMill offers modified color infrared (CIR) cameras for agriculture and forestry applications

- Conversion of 36 Mpix Nikon D810, 24 Mpix Sony A6000, 21 Mpix Canon 6D or 51 Mpix Canon 5ds. Lenses according to applications.
- Cameras are modified by replacing internal filters with optical glass and external filters to maintain maximum quality.
- As result the camera captures near infrared instead of blue light.
- Cameras are geometrically calibrated for band-matching and for correcting lens distortions
- Cameras have two output options
 - a) Three-band CIR images (NIR, RED, GREEN)
 - b) Two narrow bands (NIR: 830 - 870 nm, RED: 645-675 nm)
- Pure bands are post processed with any GIS package or with EnsoMOSAIC Agri.
- Images can be used for true NDVI indices for vegetation health and fertilizer shortage detection.
- Reflectance NDVI comparable between different times and locations
- Also RGB / CIR configuration available

Three band NDVI camera



Narrow band NDVI camera

