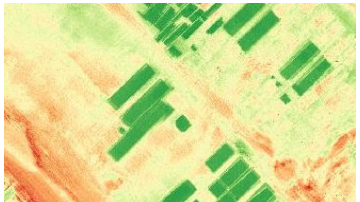
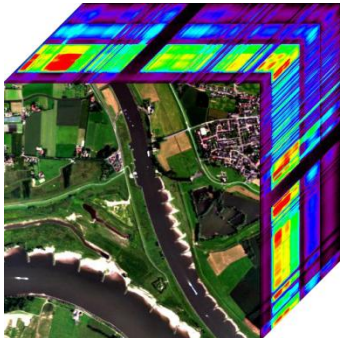


2D HYPERSENSPECTRAL CAMERA IS AIRBORNE



MosaicMill now provides Rikola HS camera, the world's smallest and most lightweight hyperspectral frame camera for both UAVs and manned platforms. This novel sensor creates 2D spectral information in VIS-VNIR spectral range with single exposure and enables mosaicking with photogrammetric software. Rikola HS camera provides real response in each pixel without interpolation. Sensor has been tested with wide variety of platforms, and is especially suitable for agriculture, forestry and water research.



Spectral range	default 500 - 900 nm, other ranges 400 - 700, 450 - 800, 550 - 950 nm
Spectral resolution	10 nm, FWHM
Spectral step	1 nm
Number of channels	maximum of 50 bands with CF memory, 380 bands in laboratory
Sensor	1010 * 1010 pixels for each band, CMOS, 5.5 * 5.5 microns / pixel
Dynamic range	12 bits
FOV	37 degrees
F-number	~2.8
Exposure time	intergration time 5 - 15 ms / band, 30 bands /s (1010*648 pixels)
Power consumption	5.3 w average, 10.5 w momentarily
Operational voltage	7 - 9V, 7.5 V recommended
Weight	720 g, without battery, GPS and irradiance sensor
Dimensions	77 * 89.5 * 172.7 mm including connectors

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