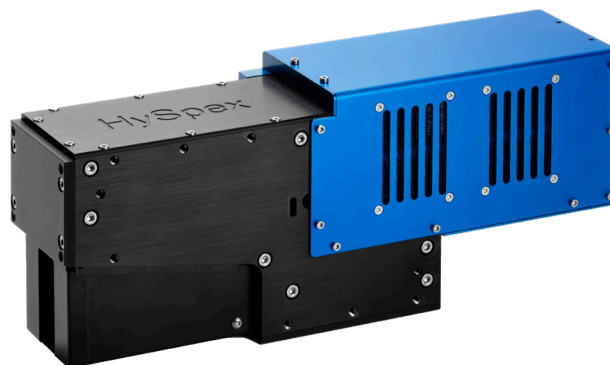


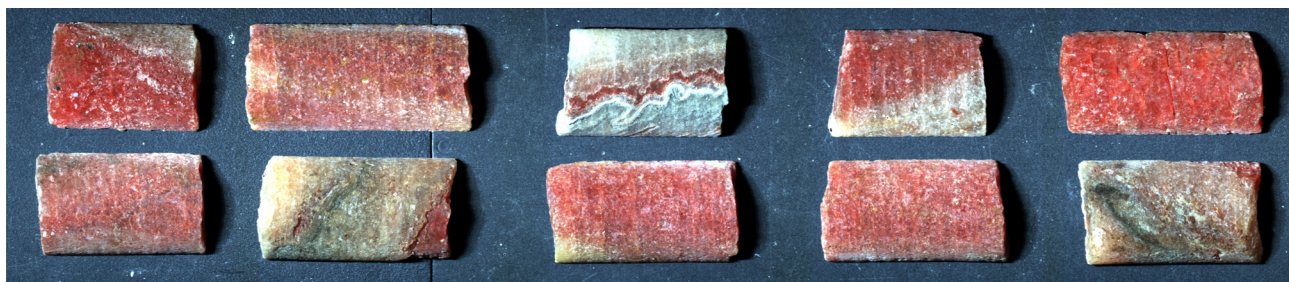
HySpex VNIR-1800

The HySpex VNIR-1800 hyperspectral camera is developed for field, laboratory, and airborne applications. HySpex VNIR-1800 utilizes a cutting edge actively cooled and stabilized scientific CMOS detector, making it an ideal camera for high-end data acquisitions where high radiometric accuracy is required.

The dynamic range of 18 000 ensures outstanding SNR levels even in darker areas of an image of highly dynamic scenes. With a maximum frame rate of 260 fps, combined with aberration- corrected optics and high optical throughput (f/2.5), HySpex VNIR-1800 offers a unique combination of data quality, high speed, and sensitivity.



A wide range of close-up lenses allows the use of the camera at working distances ranging from a few centimeters, with a spatial resolution of 21.4 μm , to infinity, for e.g. airborne remote sensing.



MAIN SPECIFICATIONS	
Spectral range	400-1000 nm
Spatial pixels	1800
Spectral channels	186 372
Spectral sampling	3.2 1.6 nm
F-number	f/2.5
FOV*	16.5°
Pixel FOV across/along*	0.16/0.32 mrad
Bit resolution	16 bit
Noise floor	3.68e- 2.6 e-
Dynamic range	18000 13000
Peak SNR (at full resolution)	> 255 > 180
Max. speed (at full resolution)	260 fps
Power consumption	30 W
Dimensions (l-w-h)	390 - 99 - 150 mm
Weight	5.0 kg
Camera Interface	CameraLink

*Can be doubled with FOV expander