

# HySpex SWIR-384

The HySpex SWIR-384 hyperspectral camera is developed for field, laboratory, and airborne applications. The state of the art MCT sensor with cooling down to 150K yields low background noise, high dynamic range, and exceptional SNR levels.

With a maximum frame rate of 400 fps, combined with an aberration-corrected optical system with high optical throughput (f/2), the data quality, speed and sensitivity are truly state of the art.

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 53  $\mu\text{m}$ , to infinity for e.g. airborne remote sensing.



MAIN SPECIFICATIONS	
Spectral range	950-2500 nm
Spatial pixels	384
Spectral channels	288
Spectral sampling	5.4 nm
F-number	f/2
FOV*	16.1°
Pixel FOV across/along*	0.73/0.73 mrad
Bit resolution	16 bit
Noise floor	LG: 250 e-   HG: 150e-
Dynamic range	LG: 5200   HG: 2800
Peak SNR (at full resolution)	LG: > 1100   HG: >640
Max. speed (at full resolution)	395 fps
Power consumption	30 W
Dimensions (l-w-h)	380 - 120 - 175 mm
Weight	5.7 kg
Camera Interface	CameraLink

\*Can be doubled with FOV expander