

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 max frame rate of 400 fps, combined with an aberration-corrected optical system with high optical throughput ($f/2$), the data quality, speed and sensitivity is 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 μm to infinity e.g. airborne remote sensing.



MAIN SPECIFICATIONS	
Spectral range	930-2500 nm
Spatial pixels	384
Spectral channels	288
Spectral sampling	5.45 nm
FOV*	16°
Pixel FOV across/along*	0.73/0.73 mrad
Bit resolution	16 bit
Noise floor	150 e-
Dynamic range	7500
Peak SNR (at full resolution)	> 1100
Max speed (at full resolution)	400 fps
Power consumption	30 W
Dimensions (l-w-h)	38 - 12- 17.5 cm
Weight	5.7 kg
Camera Interface	CameraLink

*Can be doubled with FOV expander