

HySpex Mjolnir S-620

The HySpex Mjolnir S-620 hyperspectral imaging system for UAVs is the SWIR version of the Mjolnir camera series. Similar to the VNIR version, it provides a unique combination of small form factor and low mass, combined with high-performance specifications and scientific grade data quality.

With a weight of less than 4.5 kg and less than 50 W power consumption, HySpex Mjolnir S-620 is very well suited for a wide range of UAVs.



NEO offers high-performance unmanned aerial vehicles, fully integrated with the HySpex Mjolnir S-620. The UAV is fitted with a standard battery package allowing up to 30 minutes of flight time. All HySpex Mjolnir systems can also be mounted on a tripod and rotation stage for ground use.



MAIN SPECIFICATIONS	
Spectral range	970-2500 nm
Spatial pixels	620
Spectral channels	300
Spectral sampling	5.1 nm
F-number	F1.9
FOV	20°
Pixel FOV across/along	0.55/0.55 mrad
Bit resolution	16 bit
Noise floor (native)	LG: 350 e- HG: 80 e-
Dynamic range	LG: 10000 HG: 5000
Peak SNR (at full resolution)	LG: > 2000 HG: > 600
Max speed (at full resolution)	170 fps
Power consumption	50 W*
Dimensions (l-w-h)	254 - 175 - 170 mm
Weight*	< 4.5 kg*

*Includes IMU/GPS and DAU. <5.5 kg including standard battery.