

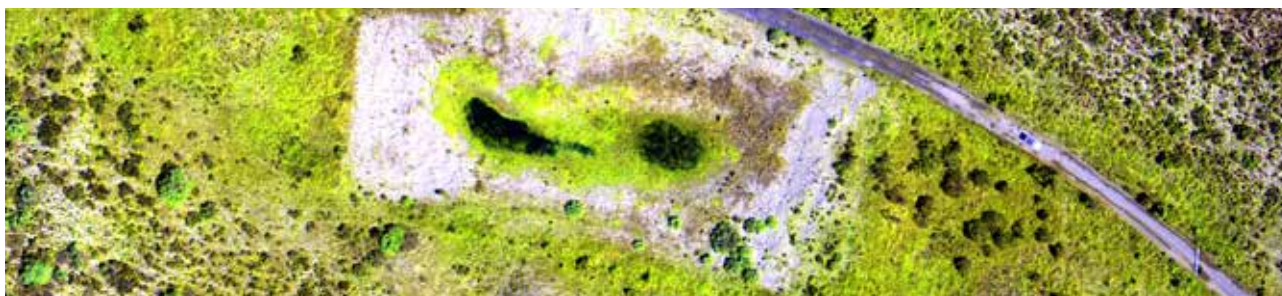
HySpex Mjolnir S-620

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 and sampling	300 bands @ 5.1 nm
F-number	F1.9
FOV	20°
Pixel FOV across/along	0.54/0.54 mrad
Bit resolution	16 bit
Noise floor	80 e-
Dynamic range	10000
Peak SNR (at full resolution)	> 900
Max speed (at full resolution)	100 fps
Power consumption*	50 W
Dimensions (l-w-h)*	254 – 175 – 170 mm
Weight*	< 4.5 kg

*Includes IMU/GPS and DAU – <5 kg including standard battery