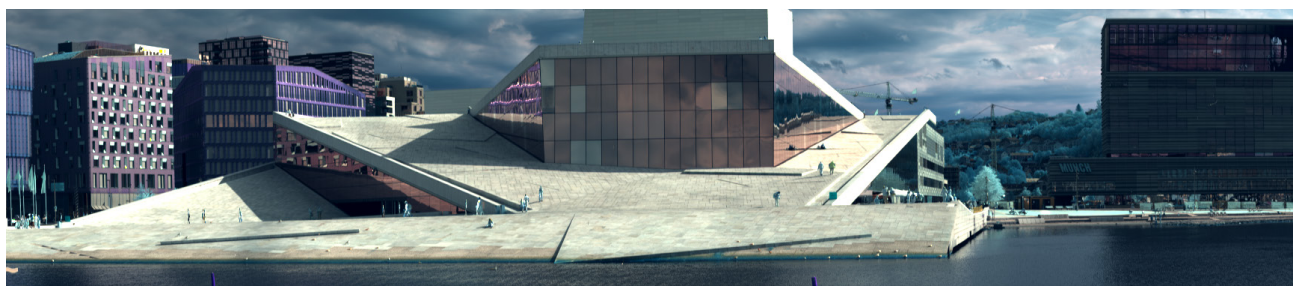


# HySpex Mjolnir S-620

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	LG	HG
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)	350 e-	80 e-
Dynamic range	10000	5000
Peak SNR (at full resolution)	> 2000	>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.