

# HySpex Mjolnir V-1240

The HySpex Mjolnir V-1240 hyperspectral imaging system for UAVs 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 kg and less than 50 W power consumption, HySpex Mjolnir V-1240 is very well suited for a wide range of UAVs.

The system is also compatible with several off-the-shelf gimbals. NEO offers high-performance unmanned aerial vehicles, fully integrated with the HySpex Mjolnir V-1240. 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	2x spectral binning	No spectral binning
Spectral range	400-1000 nm	
Spatial pixels	1240	
Spectral channels	200	400
Spectral sampling	3 nm	1.5 nm
F-number	f/1.8	
FOV	20°	
Pixel FOV across/along	0.275/0.275 mrad	
Bit resolution	12 bit	
Noise floor (native)	3.2 e-	2.3 e-
Dynamic range	> 13200	> 11700
Peak SNR (at full resolution)	> 260	> 220
Max speed (at full resolution)	250 fps	
Power consumption	50 W*	
Dimensions (l-w-h)	250 - 175 - 170 mm	
Weight*	< 4 kg*	

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