

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	
Spectral range	400 – 1000 nm
Spatial pixels	1240
Spectral channels and sampling	200 bands @ 3 nm
F-number	F1.8
FOV	20°
Pixel FOV across/along	0.27/0.27 mrad
Bit resolution	12 bit
Noise floor	2.3 e-
Dynamic range	4400
Peak SNR (at full resolution)	> 180
Max speed (at full resolution)	285 fps
Power consumption	50 W
Dimensions (l-w-h)	250 – 175 – 170 mm
Weight	< 4 kg

*Includes IMU/GPS and DAU – <6.5 kg including standard battery