

# 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