

HySpex Mjolnir V-1240 OEM

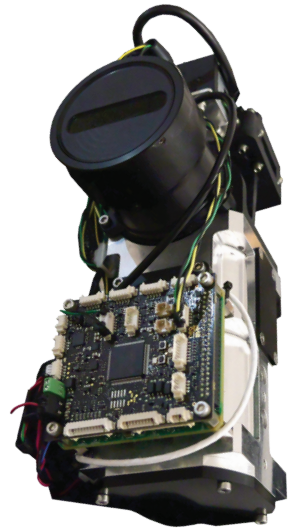
The HySpex Mjolnir V-1240 OEM hyperspectral imaging system is purpose-built for seamless integration into intelligence, surveillance, and reconnaissance (ISR) platforms, combining compact form factor, low weight, and high-performance, scientific-grade data quality.

With a system weight of approximately 2 kg and low power consumption, the Mjolnir V-1240 OEM is optimized for platforms with limited payload capacity. It can be integrated into any airborne or mobile platform capable of lifting 2 kg or more, making it ideal for UAVs and other ISR assets requiring lightweight, high-end sensing capabilities.

The OEM solution is delivered as a complete, integration-ready payload, consisting of the hyperspectral camera, a navigation system (with optional GNSS-denied capability), and an onboard processing computer. This modular architecture enables flexible integration into a wide range of platforms, including custom UAVs, gimbals, and stabilized systems.

The system is fully compatible with HySpex Bifrost real-time software, enabling advanced onboard processing and analytics for applications in defense and intelligence, environmental monitoring, and geological mapping. This allows users to move from data acquisition to actionable insights in real time.

In addition to airborne deployment, the system can also be mounted on tripods or rotational stages for ground-based operations, supporting a wide range of mission scenarios.



MAIN SPECIFICATIONS	
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)	225 - 73 - 133 mm
Weight	2 kg