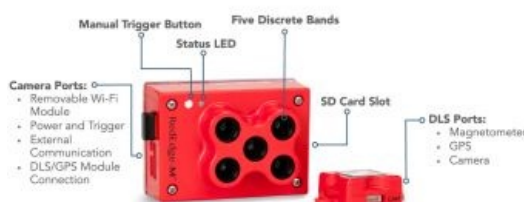# MicaSense Unveils RedEdge Multispectral Sensor

MicaSense has released RedEdge-M, the evolution of its rugged, built-to-last, professional multispectral sensor, RedEdge. Easily integrated into a wide variety of drones, RedEdge-M enables agricultural enterprises, growers and researchers to optimise management practices, streamline operations, detect stress and disease early, and capture accurate data for scientific analysis.

The RedEdge-M captures the spectral bands required for basic crop health indexes, but also those that generate analytics that are anything but basic. With its low weight, low power requirement, and multiple integration options, the flexibility of RedEdge-M makes it attractive for farmers.

Building upon the capabilities that have made RedEdge an industry standard, RedEdge-M offers key benefits such as a small form factor to allow for integration with many drone platforms, simultaneous capture of five discrete spectral bands, including RGB colour, global shutter design for distortion-free results on every platform and a down welling light sensor and calibrated reflectance panel included. The open APIs and standard formats allow for compatibility with multiple processing platforms.

Phenotyping research

With RedEdge-M, agricultural companies can generate advanced analytics to inform decisions. Growers can pinpoint disease and stress, scout quickly and effectively, and monitor change over time in their fields. Researchers can rely on RedEdge-M for high quality data to inform phenotyping research and other agricultural studies and can take advantage of customizable filters for advanced investigations. Drone manufacturers and integrators can offer an industry leading sensor as a fully integrated payload option for use in agricultural applications.

For case studies and customer stories, visit the MicaSense blog.

MicaSense RedEdge-M specifications

https://www.gim-international.com/content/news/micasense-unveils-rededge-multispectral-sensor