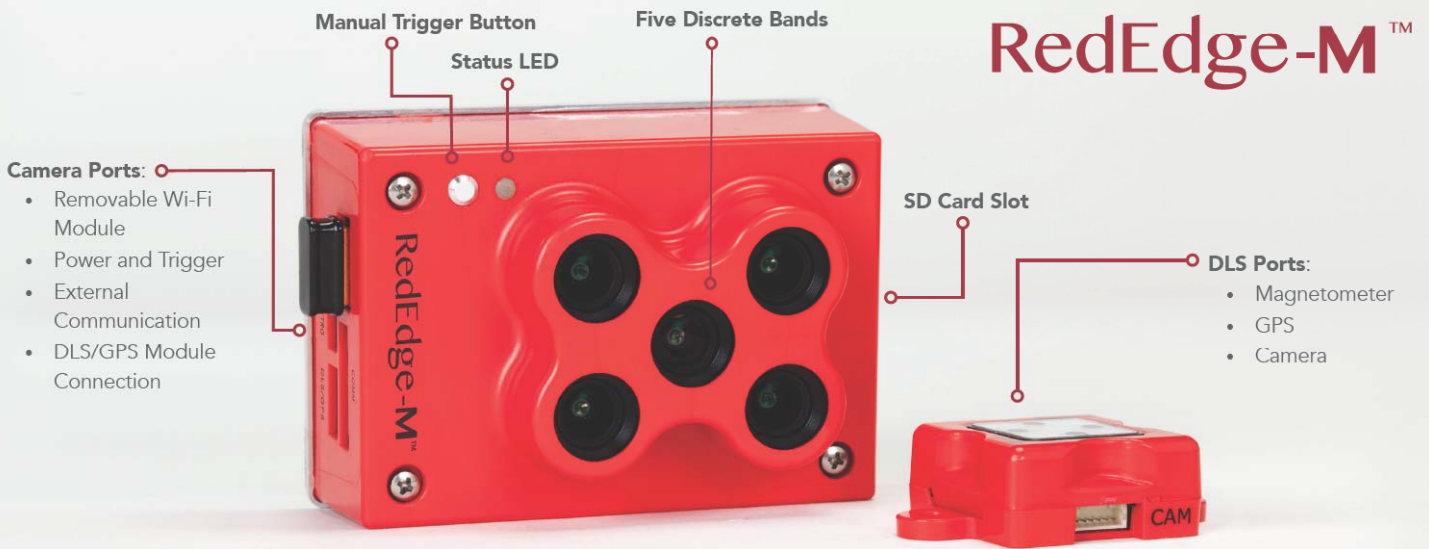


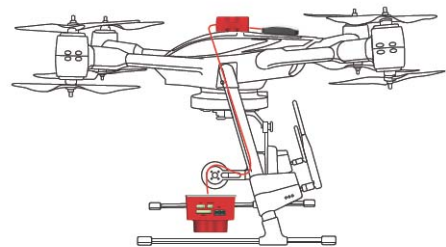
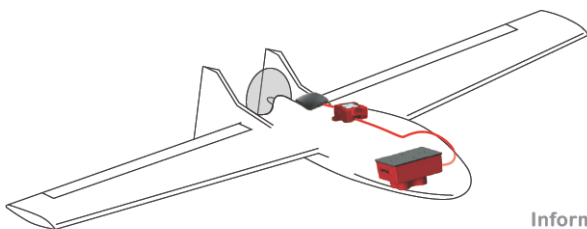
► The RedEdge-M™

A rugged, built-to-last, professional multispectral sensor. Captures five discrete spectral bands, and is one of the most flexible solutions on the market.



► RedEdge-M is action ready, integrating seamlessly no matter the platform.

It has a compact design and is lightweight to work with as many drone models as possible.



Información facilitada por:

ATyges
INGENIERÍA
www.atyges.es
DISTRIBUIDOR AUTORIZADO

▶ Key Benefits

- Compact size allows for integration with a wide variety of drones
- Simultaneous capture of five discrete spectral bands, including RGB color
- Fast capture rate enables faster flight speeds and lower flight altitudes
- Global shutter design for distortion-free results on every platform
- Calibrated for precise, repeatable measurements
- Expanded voltage range to handle more integrations without extra power conversion
- Rugged design with no moving parts

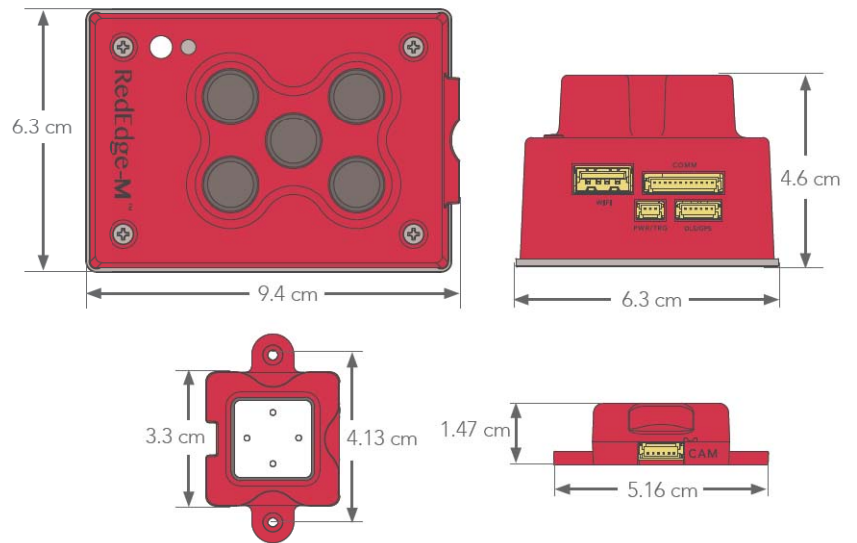
▶ Key Features

- Narrowband optical filters provide full image resolution for each band
- Single SD card stores all images with geotags
- Standalone operation, with optional external trigger and data from host aircraft
- Intuitive web-based interface accessed from any Wi-Fi-capable device
- Option for Ethernet or serial communications with host aircraft for full configuration, status, and control of the camera
- GigE Ethernet connectivity for faster transfer of data between camera and host aircraft

RedEdge-M™

Learn more at
www.micasense.com/rededge-m

Form Factor



SPECIFICATIONS

WEIGHT	180 grams (6.3 oz.) (Includes DLS and cable)
DIMENSIONS	9.4 cm x 6.3 cm x 4.6 cm (3.7 in x 2.5 in x 1.8 in)
EXTERNAL POWER	4.2 V DC - 15.6 V DC 4 W nominal, 8 W peak
SPECTRAL BANDS	Blue, green, red, red edge, near-IR (global shutter, narrowband)
RGB OUTPUT	Global shutter, aligned with all bands
GROUND SAMPLE DISTANCE	8 cm per pixel (per band) at 120 m (~400 ft) AGL
CAPTURE RATE	1 capture per second (all bands), 12-bit RAW
INTERFACES	Serial, 10/100/1000 ethernet, removable Wi-Fi, external trigger, GPS, SDHC
FIELD OF VIEW	47.2° HFOV
CUSTOM BANDS	400nm - 900nm (QE of 10% at 900nm)
TRIGGERING OPTIONS	Timer mode, overlap mode, external trigger mode (PWM, GPIO, serial, and Ethernet options), manual capture mode

Información facilitada por:

ATyges
 INGENIERÍA
www.atyges.es
 DISTRIBUIDOR AUTORIZADO