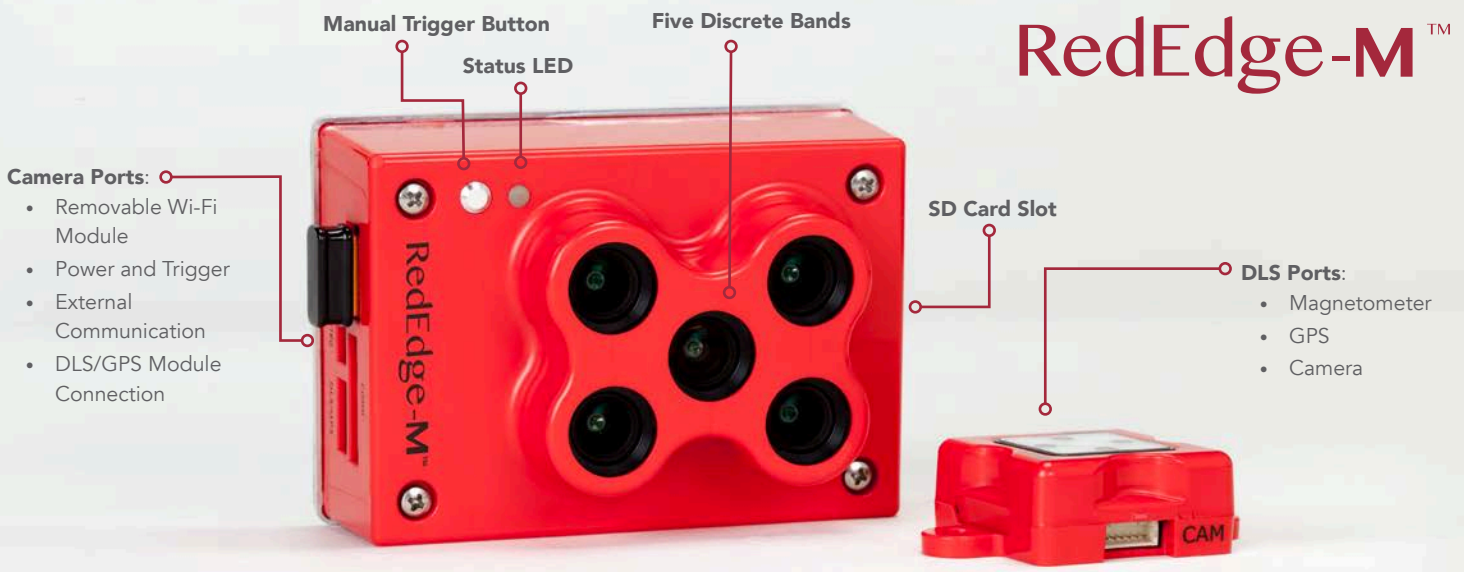


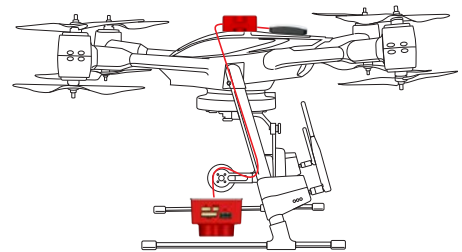
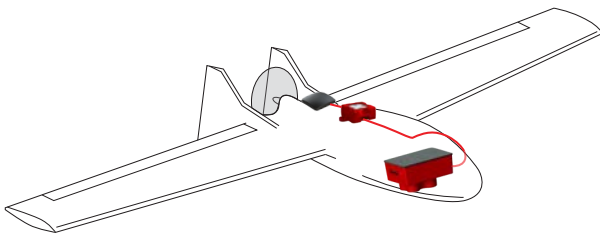
## ► The RedEdge-M™

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.



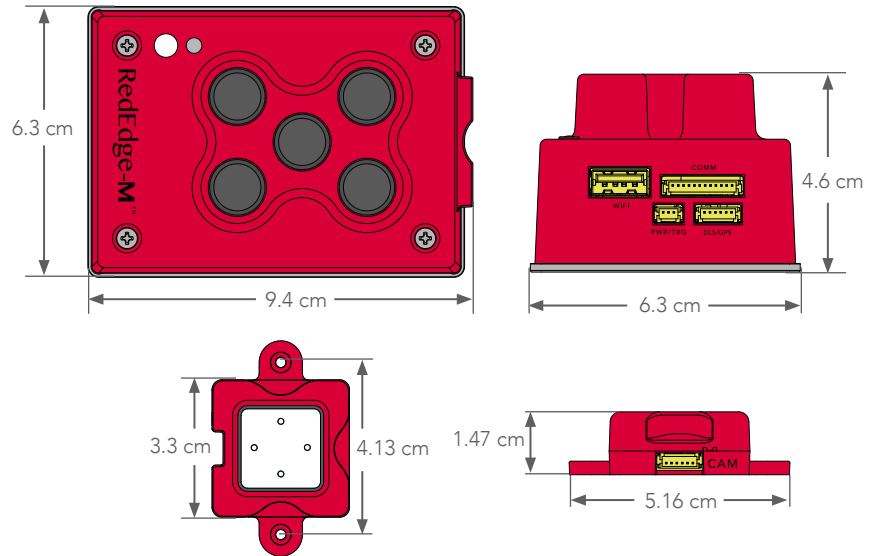
## ▶ Key Benefits

- 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

## Form Factor



## SPECIFICATIONS

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

# RedEdge-M™

Available from:

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