<table>
<thead>
<tr>
<th></th>
<th>RedEdge-MX</th>
<th>Altum</th>
<th>(Either) + DJI SkyPort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spectral Bands</td>
<td>Blue, green, red, red edge, near-infrared (NIR)</td>
<td>Blue, green, red, red edge, near-infrared (NIR)</td>
<td>(Specific to camera)</td>
</tr>
<tr>
<td>Thermal Band</td>
<td>--</td>
<td>8-14 µm</td>
<td>(Specific to camera)</td>
</tr>
<tr>
<td>Spatial Resolution (at 400ft/120m AGL)</td>
<td>8 cm/pixel per band</td>
<td>5.2 cm/pixel per band 81 cm/pixel thermal</td>
<td>(Specific to camera)</td>
</tr>
<tr>
<td>Storage</td>
<td>SD Card (32 GB)</td>
<td>USB 3.0 (unlimited)</td>
<td>(Specific to camera)</td>
</tr>
<tr>
<td>RGB Output</td>
<td>3.6 MP • Global shutter for distortion-free images. • Aligned with all bands</td>
<td>9.6 MP • Global shutter for distortion-free images. • Aligned with all bands</td>
<td>(Specific to camera)</td>
</tr>
<tr>
<td>Capture Rate</td>
<td>1 capture per second (all bands), 12-bit or 16-bit RAW</td>
<td>1 capture per second (all bands), 12-bit or 16-bit RAW</td>
<td>(Specific to camera)</td>
</tr>
<tr>
<td>Communication with drone</td>
<td>Serial, Mavlink, or Ethernet (Requires integration)</td>
<td>Serial, Mavlink or Gig E Ethernet (Requires integration)</td>
<td>Automatic (DJI M200 or 210)</td>
</tr>
</tbody>
</table>

**OUR SENSORS ARE...**

- Capable of integrating into almost any drone
- RTK ready
- Made in the USA
- Used by customers in 75+ countries, and in over 100 research publications

**THE DATA CAPTURED IS...**

- 12 or 16 bit TIFF files
- Radiometrically calibrated
- Geotagged automatically
- Open and compatible with almost any processing platform

Imagery by MicaSense Altum
Layers Shown: Thermal, RGB & DSM
Sensors for UAVs and Vegetation Mapping

**RedEdge-MX™**
by MicaSense®

- Open interfaces for easy integration (Mavlink, Ethernet, Serial)
- Five narrow bands (Red, Green, Blue, Red Edge, Near Infrared)
- 8 cm/pixel GSD at 400 ft (120 m)
- 32 GB SD card for storage
- DLS 2 with Embedded GPS
- Open outputs for processing
- 8 light sensors and 12 directional sensors

**ALTUM™**
by MicaSense®

- Open interfaces for easy integration (Serial, Mavlink, GigE, Ethernet)
- High capacity USB for storage
- Synchronized narrow bands and radiometric thermal sensor
- DLS 2 with Embedded GPS
- 8 light sensors and 12 directional sensors
- 5 cm/pixel GSD at 400 ft (120 m)
- 81 cm/pixel thermal GSD at 400 ft (120 m)

Thermal, multispectral, and high-resolution RGB

Turning imagery into actionable information. © 2019 MicaSense, Inc.