

RedEdge-P Technical Specification




Sensor resolution	1456 x 1088 (1.6MP per MS band), 2464 x 2056 (5.1MP panchromatic band)
Wavelength	Blue (475 nm center, 32 nm bandwidth), Green (560 nm center, 27 nm bandwidth), Red (668 nm center, 14 nm bandwidth), RedEdge (717 nm center, 12 nm bandwidth), near-IR (842 nm center, 57 nm bandwidth)
RGB color output	5.1 MP (global shutter, aligned with all bands)*
GSD	7.7 cm per pixel (per MS band) at 120m (393 ft) AGL 3.98 cm per pixel (panchromatic band) at 120m (393 ft) AGL
Trigger interval	0.8 seconds
Interfaces	3 configurable GPIO / select from trigger input, PPS input, PPS output, and top of frame signals. Host virtual button. USB 2.0 port for WiFi. Serial. 10/100/1000 Ethernet.
Field of view	50° HFOV x 38° VFOV (MS), 44° HFOV x 38° VFOV (PAN)
Storage	CFexpress Card
Payload weight RTF	503,7 g
Dimensions	8.9 x 7.0 x 6.7 cm (3.5in x 2.8in x 2.6in)
External Power	7.0 V - 25.2 V
Power input	5.5/7.0/10W (standby, average, peak)

*with appropriate post-processing



TRINITY F90+ MICASENSE REEDGE-P

Sample Data

-  **FLIGHT ALTITUDE**
120 m | 393 ft AGL
-  **FLIGHT SPEED**
17 m/s
-  **GSD**
4.01 cm/px

MicaSense RedEdge-P

RGB and Multispectral Data

The RedEdge-P is the ultimate premium solution for high-res RGB and multispectral data applicable for agriculture, forestry, environmental monitoring and more.



The RedEdge-P is the premium multispectral camera for general plant health monitoring plus plant counting, early weed detection and other tasks requiring machine learning. With pan-sharpening.

