

Specifications



Weight	Altum + DLS 2: 406.5 g (14.34 oz) Altum: 357 g (12.6 oz) DLS2: 49 g (1.73 oz) Wi-Fi Adapter: 2 g (0.07 oz) USB stick: 9 g (0.32 oz)
Dimensions	8.2 cm x 6.7 cm x 6.45 cm (3.2 in x 2.6 in x 2.5 in)
External Power	4.9-25.2V
Power Input	5.5/7.0/10W (standby, average, peak)
Spectral Bands	EO: Blue, green, red, red edge, near infrared (NIR) LWIR: thermal infrared 8-14um
Wavelength (nm)	Blue (475 nm center, 32 nm bandwidth), green (560 nm center, 27 nm bandwidth), red (668 nm center, 16 nm bandwidth), red edge (717 nm center, 12 nm bandwidth), near-IR (842 nm center, 57 nm bandwidth)
Sensor Resolution	2064 x 1544 (3.2 MP per EO band) 160 x 120 thermal infrared
Ground Sample Distance (GSD)	5.2 cm per pixel (per EO band) at 120 m (~400 ft) AGL 81cm per pixel (thermal) at 120m
Capture Rate	1 capture per second ¹ (all bands), 12-bit RAW
Interfaces	Aircraft: Trigger input, top of frame out, 1 PPS out. 3.3V isolated IO 2x USB 3.0 SuperSpeed ports for WiFi or Ethernet and USB 3.0 Storage.
Focal Length	8 mm (multispectral) 1.77 mm (thermal)
Field of View	48° x 37° (multispectral) 57° x 44° (thermal)
Storage	USB 3.0 compatible storage devices

¹ capture rates vary based on write speed of USB storage device