

Redkite for Integrator™



Powerful Wide-Area Motion Imagery in a Small Group 3 UAS

Redkite, adapted to the payload bay of the Insitu Integrator, combines the power of wide-area motion imagery (WAMI) with the flexibility of a small Group 3 UAS.



Size, Weight, and Power

- **Bay size:** 41 in (105 cm) L x 12 in (31 cm) W x 8 in (21 cm) H
- **Bay weight:** < 25 lbs (11 kg)
- **Bay power:** < 300 W
- **GCS size:** 43 in (109 cm) L x 27 in (69 cm) W x 27 in (69 cm) H
- **GCS weight:** < 250 lbs (113 kg)
- **GCS power:** 1 KW

Performance

- **Operational altitude:** 3,000 ft – 12,000 ft (1,000 – 4,000 m) AGL
- **Area of coverage:** 1 km diameter from 3,000 ft (1,000 m) AGL
4 km diameter from 12,000 ft (4,000 m) AGL
- **GSD:** 0.13 m at 3,000 ft (1,000 m) AGL
0.5 m at 12,000 ft (4,000 m) AGL
- **Camera:** > 50 Mpx (color optional)
- **Refresh rate:** ≥ 2 Hz
- **Cross-cueing:** Yes
- **Viewer windows:** Up to 10 unique streaming video windows
- **GCS archive length:** 100 hrs, expandable to 200 hrs
- **Onboard archive length:** > 4 hrs, expandable to 8 hrs
- **Transmission to mobile devices:** Yes
- **Internal processing:** Compact embedded processing includes north-up rendering, real-time and DVR streaming, and full-mission storage.
- **Datalink:** Internal datalink, providing a fully integrated, single LRU

Option

- **Operations support:** Full-time operation, maintenance, and repair at deployed sites. Training, warranty support, and 24/7 help desk support available.

Defense

Law Enforcement

Border Security

About Logos Technologies

Founded in 1996, Logos Technologies LLC is a diversified science, engineering and technology company specializing in the fields of advanced sensors, wide-area motion imagery, advanced analytics and processing of large, multisource datasets. Logos serves government customers, including the Department of Defense, Intelligence Community and Department of Homeland Security, as well as a range of customers in commercial and international markets.

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