

## Powerful Wide-Area Motion Imagery in a Small, Lightweight Pod

Redkite offers the best of both worlds: a highly effective, wide-area motion imagery (WAMI) system in a small, ultra-lightweight pod that easily mounts to a variety of manned and unmanned platforms. With advanced internal processing, Redkite is the smallest, and most power-efficient, WAMI system available.



### Size, Weight, and Power

- **Pod size:** 34 in (86 cm) L x 11 in (28 cm) W x 9 in (23 cm) H
- **Pod weight:** < 35 lbs (16 kg)
- **Pod 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:**  $\geq 2$  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.

### Options

- **Platform compatibility:** Fixed wing, rotary wing, and UAS
- **Mounting options:** Wing pylon, under belly, gimbal mount adaptor. Easily installed and removed from the aircraft, for simplified integration.
- **Datalink:** Internal datalink available, providing a fully integrated, single-LRU WAMI system with minimal resource requirements from the aircraft and simplified aircraft integration. Ideal for UAS applications.
- **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.

Learn more at:

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