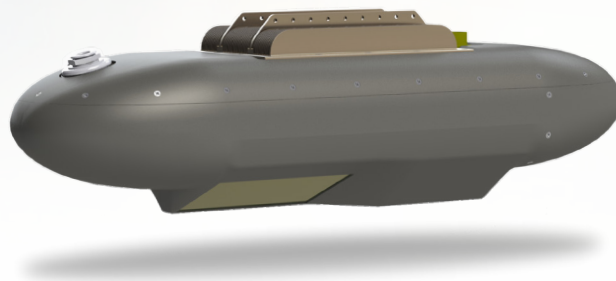


# BlackKite Pod

## Powerful IR Wide-Area Motion Imagery in a Lightweight Pod

BlackKite is an infrared (IR), wide-area motion imagery (WAMI) system capable of covering a city-sized area all at once, day and night, while fitting into a compact, lightweight, platform-agnostic pod. Despite its small size, BlackKite transmits on demand, both real-time and forensic imagery to multiple users on the ground thanks to the system's unparalleled onboard processor.



### Payload Size, Weight, and Power

- **Size:** 34 in (86 cm) L x 11 in (28 cm) W x 9 in (23 cm) H
- **Weight:** < 38 lbs (17 kg)
- **Power:** < 300 W max
- **Processing:** Processing embedded in payload

### Performance

- **Operational altitude:** 5,000 ft – 12,000 ft (1,500 – 4,000 m) AGL
- **Areas of coverage:** 2.2 sq km at 5,000 ft (1,500 m) AGL / 12.0 sq km at 12,000 ft (4,000 m) AGL
- **Refresh rate:** 1 Hz
- **Cross-cueing:** Yes
- **Viewer windows:** Multiple unique streaming video windows
- **Onboard archive length:** ~ 8 hrs, expandable
- **Transmission to mobile devices:** Yes
- **Internal processing:** Compact embedded processing includes north-up rendering, real-time and DVR-like streaming, and full-mission storage.

### Camera Options

#### 1 Mpx:

- **GSDs:** 0.4 m at 5,000 ft (1,500 m) AGL / 1.2 m at 12,000 ft (4,000 m) AGL
- **Imaging modality:** MWIR 12/10  $\mu\text{m}$  px realizing 18 Mpx composite image
- **Detector size:** HgCdTe - 1280 x 720 px / T2SLS - 1280 x 1024 px / nBn 1280 x 1024 px

#### 3 Mpx:

- **GSDs:** < 0.25 m at 5,000 ft (1,500 m) AGL / 0.6 m at 12,000 ft (4,000 m) AGL
- **Imaging modality:** MWIR 10  $\mu\text{m}$  px realizing 54 Mpx composite image
- **Detector size:** InSb - 2048 x 1536 px

### Ground Station Size, Weight, and Power

- **Size:** 43 in (109 cm) L x 27 in (69 cm) W x 27 in (69 cm) H, 15U rack space
- **Weight:** < 250 lbs (113 kg)
- **Power:** 1 KW
- **GCS archive length:** 100 hrs, expandable

### Options

- **Platform compatibility:** Fixed-wing, rotary-wing, and UAS
- **Mounting options:** Wing pylon, under belly, gimbal mount adaptor

### 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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