BlackKite streams geo-located imagery to multiple users for real-time and forensic analysis. The mid-wave infrared (MWIR) wide-area motion imagery (WAMI) system is capable of monitoring a city-sized area both day and night.

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**Easy-to-share actionable data for faster decision-making day and night**

**BlackKite®**

**Day/Night Wide-Area Motion Imagery (WAMI) for Integrator**

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**UNMANNED AIRCRAFT SYSTEMS**

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**KEY BENEFITS & FEATURES**

**Persistent wide-area monitoring day and night**
Monitors and analyzes areas of up to 2.5 miles (4 km) in diameter anywhere within line-of-sight range of the GCS.

**Simultaneous target detection**
Detects, tracks and labels geographically dispersed still or moving targets.

**Forensic analysis**
Operators can rewind imagery in forensic mode to trace targets to their points of origin and review events.

**Onboard data storage**
Stores up to 11 hours of mission data on board the vehicle supporting examination of real-time or historical data.

**Supports multiple sensor operators**
Control up to 10 independent video streams, providing situational awareness while following targets moving in different directions. Geospatial and temporal bookmarking allows users to mark and share locations.

**Automated detection alerts**
User-defined “watchboxes” provide sensor operators with automated alerts when items of interest move in/out for real-time tracking.

**Information sharing**
Transmits imagery (chipouts) to handheld devices such as Android.

**Cross cueing**
Supports cross cueing to Integrator’s primary FMV turret for higher resolution inspection.

**BlackKite® Day/Night Wide-Area Motion Imagery (WAMI) for Integrator**

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**1.3 MILLION FLIGHT HOURS**

**50 GLOBAL SITES OF OPERATION**

**MODULAR FAMILY OF SYSTEMS**

**SERVICES, ACQUISITION AND FMS**

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BlackKite®
Day/Night Wide-Area Motion Imagery (WAMI) for Integrator

Cost-effective, rapidly deployable, reliable

Pattern of life—track targets forward and backward in time from known to previously unknown locations. Cover multiple locations simultaneously with on-demand video across coverage area.

**SPECIFICATIONS**

- **Operational altitude:**
  5,000–15,000 ft / 1,500–4,500 m AGL

- **Area of coverage at 5000 ft / 1500 m AGL:**
  \(.5 \text{ NM}^2 / 1.7 \text{ km}^2 (1.5 \text{ km diameter})\)

- **Area of coverage at 12,000 ft / 4000 m AGL:**
  \(3.5 \text{ NM}^2 / 12 \text{ km}^2 (4 \text{ km diameter})\)

- **Ground Sample Distance (GSD) at 5000 ft / 1500 m AGL:**
  8.5 inches / 0.22 m

- **GSD at 12,000 ft / 4000 m AGL:**
  23 inches / 0.6 m

- **Camera:**
  3 megapixels

- **Refresh rate:**
  1 Hz

- **Cross-cueing:**
  Yes

- **Viewer windows:**
  multiple unique streaming video windows

- **GCS/SCS Archive Length:**
  160 hours, expandable

- **Onboard Archive Length:**
  ~5 hrs (4 TB drive), ~11 hrs (8 TB drive)

- **Transmission to mobile devices:**
  Yes

- **Compact embedded processing:**
  north-up rendering, real-time and DVR streaming and full-mission storage.

- **Internal data link:**
  fully integrated, single Line Replaceable Unit (LRU)

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