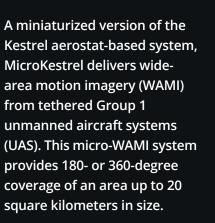


MicroKestrel

ULTRALIGHT WIDE-AREA MOTION IMAGERY FOR GROUP 1 TETHERED UAS



MicroKestrel supports the user with uninterrupted monitoring of live and recorded imagery. Powerful and portable, MicroKestrel delivers unparalleled situational awareness at a moment's notice.

- BASE PROTECTION
- OPERATIONS OVERWATCH
- MOBILE UNIT SA **ENHANCEMENT**
- BORDER SECURITY
- EVENT SECURITY
- HUMANITARIAN ASSISTANCE

Logos Technologies LLC An Elbit Systems of America Company

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PERFORMANCE

- Operational Altitude:
- MicroKestrel Area of Coverage:
- Angular Coverage:
- Digital Zoom:
- Refresh Rate:
- Viewer Windows:
- Onboard Archive Length: Up to 4 hours
- Imagery Transmission:
- Internal Processing:

200 ft - 400 ft (60 m - 120 m) AGL

- Up to 3 km radius, 9.8 sq km at 200 ft (60m) AGL per pod - Individuals resolvable to 1 km
 - Moving object detection to 3 km
- 180 degrees per pod
- Yes
- 5 Hz
 - 5 real-time and/or forensic on optional ground station
- Control centers, mobile devices

Compact embedded real-time processing includes georegistration, stabilization, and mosaic stitching, with DVR-like streaming of stored imagery

PAYLOAD SIZE, WEIGHT, AND POWER 11.8 in L x 11.4 in W x 3.9 in H (30 cm x 29 cm x 10 cm)

- Sensor Size:
- Sensor Weight:
- Sensor Power:
- Sensor Voltage:

GROUND/SENSOR CONTROL STATION (GCS/SCS)

< 70 W

12 VDC

5.5 lbs (2.5 kg)

 Sensor Control and Exploitation:

Customizable expeditionary laptop for sensor command and control, viewing area of coverage, viewing and controlling WAMI streams, and setting watchboxes Imagery streams are MISB compliant and can be easily integrated into other Common Operating Pictures (COPs)

OPTIONS

- Platform Compatibility:
- Mounting Options:
- Datalink:
- Operations Support:

Tethered UAS

Adaptable as needed

IP-based radio or 4G/5G relay, at tether base Full-time operation, maintenance, and repair at deployed sites Training, warranty support, and 24/7 helpdesk support available