



InstantEye is a family of combat-proven, high-performance, affordable, aerial robotic systems that can be hand launched/recovered by a single operator in any weather. InstantEye is a full-spectrum organic enabler that provides on-demand, tactical, situational awareness to enhance force protection, mitigate operational risk, and inform the ground force commander's decision-making process. The InstantEye Mk-2 GEN4-E0 utilizes a networked military software-defined radio (sUAS DDL, ANW2, and SRW), which can communicate with RVT-equipped Soldiers. This system can carry twice the payload weight as a similarly equipped InstantEye GEN3 system.

Features

- From stowed to operational in ~2 minutes
- Harris Embedded Modular Radio (EMR)
- Operates in all weather, all locations
- Requires only a single operator
- Ruggedized, sunlight-readable GCS
- Growing number of plug-and-play payloads
- Operator-level service and maintenance



Base System

- | | |
|----------------------|---------------------|
| 2 Aircraft | 1 Spares Kit |
| 1 GCS | 1 Transport Case |
| 4 Aircraft Batteries | 1 IR Floodlight |
| 2 GCS Batteries | 1 Field Case (opt.) |
| 1 Battery Charger | |



Specifications

- Weight:**
- Aircraft: 3.3 lbs. (base flight weight)
 - GCS: 3.4 lbs.
 - Shipping (base system): 37 lbs.

- Size:**
- Aircraft (stowed): 12 x 21 x 2.75 in.
 - GCS: 10.5 x 7.5 x 4.25 in.
 - Shipping (base system): 23 x 19 x 12 in.

Maximum Payload Weight: > 1.3 lbs.

Video Range: LOS, up to 2 km (up to 4 km w/DDL)

Speed: Hover to 35 mph

Endurance: Up to 30 minutes
(payload/wind dependent)

Service Ceiling: 12,000 feet MSL

Wind Station Holding: 30 mph

InstantEye[®] MK-2 GEN4-E0 sUAS