

Bird of Prey (Class I, Small UAV)



Camera

Camera with low-light mode that provides high image quality late in the evening, just like during the day



Communication

Cost-Efficient: Dual-channel board allowing the operator to switch frequencies during flight

- Channel 1: 433-490 MHz
- Channel 2: 850-950 MHz

Upgrade available:

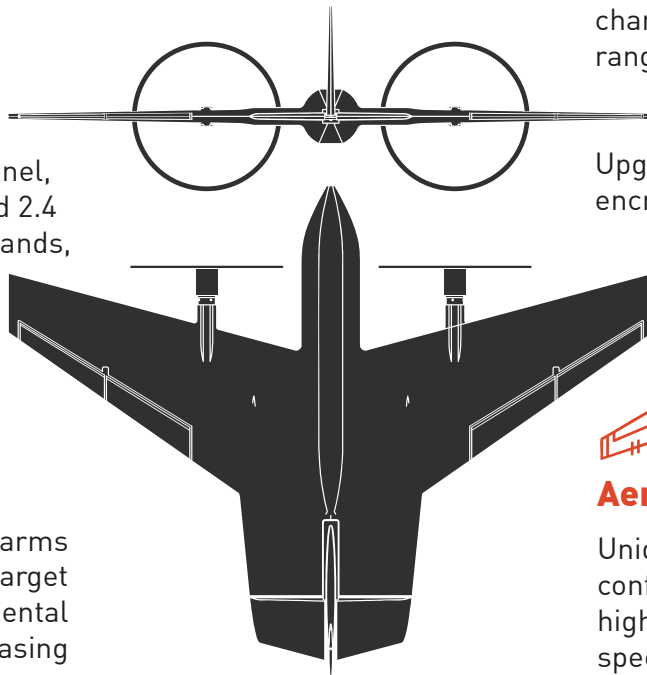
- High-Security, Multi-Channel, Robust AES-256 encrypted 2.4 GHz / 5.8 GHz, L-/S-/Ku-bands, and satellite connectivity



Video Signal

Supports all standard channels and allows configuration of 4 additional channels in the 6010-6080 MHz range with a video scrambler

Upgradable to digital with top-level encryption for maximum security



Arming Initiation Board

Custom safety system arms payload only after confirmed target acquisition, reducing accidental detonation risk and increasing operational safety



Aerodynamic Airframe Design

Unique reverse-sweep wing configuration ensures stability at high speeds and control at low speeds, enhancing both interception precision and loitering capability



Modular Design and Safe Arming

- Carries 1-4 kg up to 120 km at 150-165 km/h
- Modular bay and electronics enable quick mission customization
- Semi-automatic tracking and manual override
- Safe arming via software-controlled initiation board

Watch Field Test Video: www.youtube.com/@UAV-BOP