Integrator™ Payloads and Capabilities

Inspired engineering. Industry-leading payload versatility.

Constant innovation is the driving force behind Integrator’s open-architecture design. Every day, we push the limits of engineering to make our aircraft’s performance better, smarter and more intuitive. The result — a UAV that you design to meet your needs, wherever your mission takes you.

COMMUNICATION
Integrator’s air-to-ground communications systems deliver direct payload communication up to 50 nmi from a ground control station. The system includes electromagnetic shielding to support customized communications relay and radio frequency sensor payloads to meet your mission needs.

PAYLOAD BAYS
Integrator features six configurable payload spaces with power and Ethernet connections available in each:
- Nose Bay: The baseline design houses a turret that contains the sensor package. The nose bay can be reconfigured, allowing for additional payload capacity of up to 15 pounds.
- Center of Gravity (CG) Bay: Several available configurations for this bay deliver the highest carrying capacity (40 x 10 x 5 inches) and can accommodate payloads of up to 35 pounds.
- Wing/Winglet Bays: Each wing contains two payload spaces — one on the wing and one on the winglet — and can carry up to three pounds of payload. For full motion video (FMV) capability, the right wing and winglet payload space must be dedicated to that function.
- Wing Hardpoints: Each wing contains a hardpoint that can carry up to 15 pounds of payload.

SUPPORT AND SERVICES
Integrator’s open architecture allows for plug-and-play integration of customized payloads. Our engineering and designated payloads directorate teams can assist with integrating the most advanced technologies to extend your aircraft’s capabilities and meet your mission needs.

IMAGERS AND TURRET
In the baseline configuration Integrator’s nose bay houses the Alticam Vision™ imaging system, a stabilized turret that eliminates in-flight vibrations and automatically tracks targets of interest. The turret incorporates the aircraft’s baseline sensor package, which features a laser rangefinder and IR marker and also includes an:
- Electro-optic imager: For high-resolution daytime imagery, allowing operators to focus upon and maintain positive identity for objects of interest.
  - 1.1°–25° optical field of view
  - 4x digital zoom
- MWIR camera: For quality thermal imaging for nighttime and low-visibility operations.
  - 2°–25° field of view
  - 4x digital zoom