

Integrator[®]

Extended Range

Delivering Group 4/5 ISR capabilities in an
affordable, long-range Group 3 UAS



UNMANNED AIRCRAFT SYSTEMS



Integrator ER uses satellite-enabled communications (SATCOM) to extend flight range beyond line of sight (BLOS), expanding target sets, reducing the logistical footprint and enhancing personnel safety.

KEY BENEFITS & FEATURES

Theater-relevant ranges

Achieves a range up to 9 times greater than standard tactical line-of-sight UAVs with an innovative BLOS Satellite Communications (SATCOM) mission kit. Ranges up to 500 nautical miles. Stays up to 19.5 hours of time on station.

Expanded target set

The field-swappable ER SATCOM mission kit maximizes the full potential of Integrator's endurance capability while expanding end user access to previously unreachable targets from geographically dispersed bases.

Multi-mission flexibility

Integrator's suite of modular mission payloads can now extend over the horizon to deliver persistent, high-resolution imagery, SIGINT, and electronic warfare capabilities for broad operational and strategic effects.

SATCOM advances

Utilizes the latest global constellations of high throughput satellites and advanced onboard planar array antenna technology to achieve bandwidth limits upward of 10 megabits per second with a NSA Type 1 encryption security option.

Fewer bases, reduced footprint

Can operate from a small forward operating base, no runway necessary, to support downrange base consolidation drawdown efforts with long-range options that guarantee oversight of legacy target areas not accessible by tactical UAS.

Enhanced personnel safety

Increased range expands operational opportunities by keeping personnel at safer distances from dangerous conditions and reducing the logistical footprint.



1.3 MILLION
FLIGHT HOURS

50
GLOBAL SITES
OF OPERATION

MODULAR
FAMILY OF
SYSTEMS

SERVICES,
ACQUISITION
AND FMS

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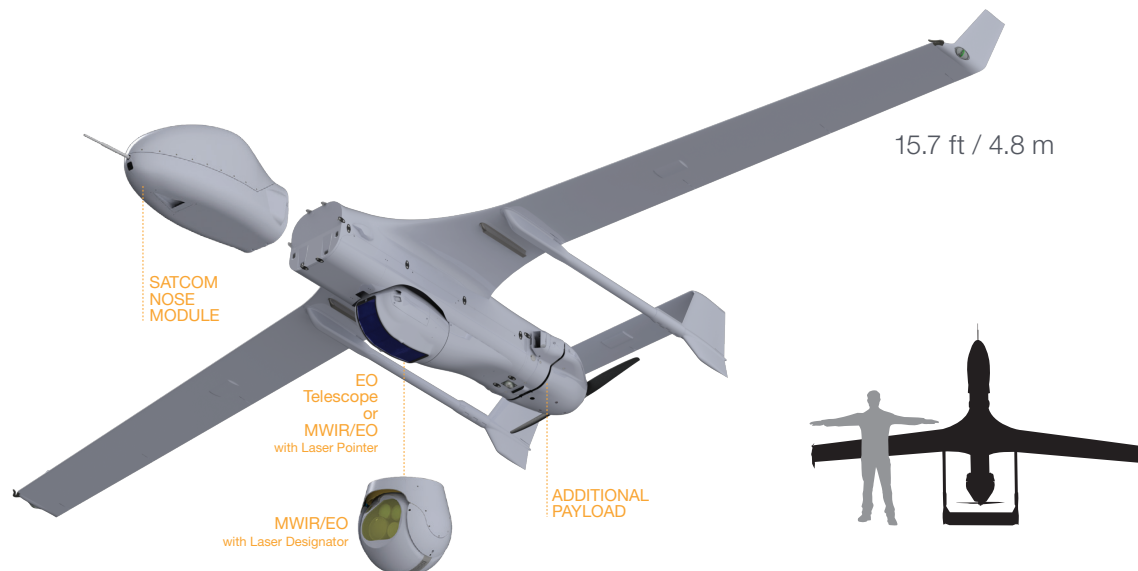
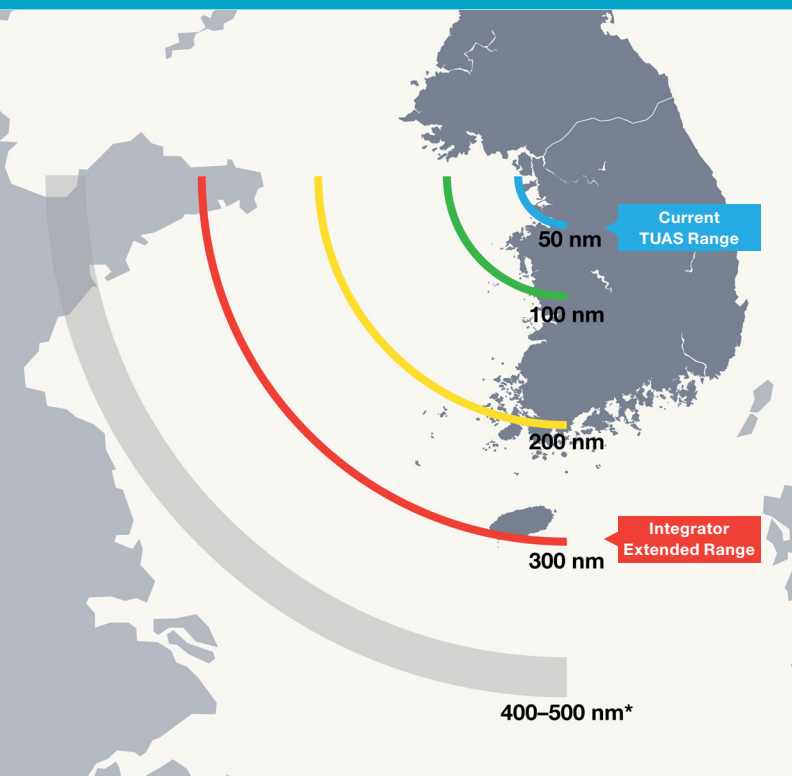
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Seamless integration
of tailorable, multi-mission payloads
for unparalleled flexibility



SPECIFICATIONS



Integrator Extended Range Time on Station (TOS) Estimates

Gross Takeoff Weight: 165 lbs • FMV only

50 nm 24 hrs

200 nm 19.5 hrs

300 nm 14.4 hrs

400 nm* 13.3 hrs

500 nm* 10.3 hrs

*400-500 nm when suitable SATCOM footprints are available

SIZE AND WEIGHT

- Length: 8.2 ft / 2.5 m
- Wingspan: 15.7 ft / 4.8 m
- Max takeoff weight: 165 lb / 74.8 kg
- Max payload weight: 16 lb / 7.3 kg

PERFORMANCE

- Endurance: Up to 24 hours
- Ceiling: 20,000 ft / 6,000 m
- Max horizontal speed: 90+ knots / 46 m/s
- Cruise speed: 55 knots / 28 m/s
- Engine: EFI using JP-5/JP-8 fuel

SENSOR AND DATA OPTIONS*

- On-board connectivity: Ethernet
- EO telescope (high zoom day FMV)
- MWIR/EO dual sensor (day & night FMV)
- Laser designator/pointer/rangefinder
- Other integrated sensors

* Additional payload capacity and power available