

AERIALOOP

PROMPT, SMART AND SAFE DELIVERY

ALT6-ISR CONFIGURATIONS AND SPECIFICATIONS

Technical Specification or Info	ALT6-ISR	ALT6-ISR XR (X Battery)	ALT6-ISR XW (X Battery X Wingspan)
Pricing	Ask For Current Price	Add 500 USD / Month	Add 1000 USD / Month
Availability	Available Now	Available Dec 2024	Available Jan 2025
Battery Size	27.000mAh	40.000mAh	40.000mAh
Operational Range (80% Battery Capacity Use) Sea Level	70 km	110 km	150 km
Operational Endurance (80% Battery Capacity Use) Sea Level	50 min	80 min	150 min
Wingspan	2.56 m	2.56 m	3.56 m
Available Sensor Payload	2 kg	2kg	3kg
Comms Satellite Link	LEO satcom embedded in airframe. Unlimited live communication range in most countries in the world. Average satellite connection of 30 mbit/s in all flight conditions.	LEO satcom embedded in airframe. Unlimited live communication range in most countries in the world. Average satellite connection of 30 mbit/s in all flight conditions.	LEO satcom embedded in airframe. Unlimited live communication range in most countries in the world. Average satellite connection of 30 mbit/s in all flight conditions.
Flight Speed	(23m/s) 83 km/h	(23m/s) 83 km/h	(17.5m/s) 62 km/h
IP Rating	IP55	IP55	IP55
Weather Conditions	Wind up to 15m/s, rain, day visual	Wind up to 15m/s, rain, day visual	Wind up to 13m/s, rain, day visual
Redundancy	Quadruple flight redundancy and no single point of failure design	Quadruple flight redundancy and no single point of failure design	Quadruple flight redundancy and no single point of failure design
Type of Flights	Fully automatic, preset waypoints	Fully automatic, preset waypoints	Fully automatic, preset waypoints
Payload Volume	34L, 42cm x 42cm x 12cm (Height)	34L, 42cm x 42cm x 12cm (Height)	34L, 42cm x 42cm x 12cm (Height)
Safety Systems	Ballistic Parachute System	Ballistic Parachute System	Ballistic Parachute System
Payload Weight Capacity	2 kg standard, 3.5 kg max (by removing the parachute)	2 kg standard, 3.5 kg max (by removing the parachute)	3 kg standard, 4.5 kg max (by removing the parachute)
Cold and Warm Transport Capabilities	Yes. -5 to 50 degrees C (oven tested).	Yes. -5 to 50 degrees C (oven tested).	Yes. -5 to 50 degrees C (oven tested).
Data and Telemetry Access	Worldwide	Worldwide	Worldwide
Drone Management	Fleet and safety management software for daily operation, reporting and automatic system health checks	Fleet and safety management software for daily operation, reporting and automatic system health checks	Fleet and safety management software for daily operation, reporting and automatic system health checks
Payload Management	Web based live feed and payload control with live stream sharing ability	Web based live feed and payload control with live stream sharing ability	Web based live feed and payload control with live stream sharing ability
Telemetry	Backup LOS data link for telemetry up to 40km range from takeoff hub	Backup LOS data link for telemetry up to 40km range from takeoff hub	Backup LOS data link for telemetry up to 40km range from takeoff hub
Operator Requirements	Previous drone operator experience & 3 week training by aerialoop (training not included in pricing)	Previous drone operator experience & 3 week training by aerialoop (training not included in pricing)	Previous drone operator experience & 3 week training by aerialoop (training not included in pricing)
Type of Power	Fully electric	Fully electric	Fully electric
Site Requirements for Operation	Energy AC 110V Clear landing zone 5x5m, no obstacles above Physical security	Energy AC 110V Clear landing zone 5x5m, no obstacles above Physical security	Energy AC 110V Clear landing zone 5x5m, no obstacles above Physical security

<p>Hub requirements for continuous operations, flights every 30 minutes.</p>	<p>Inside (office) area min. 3m x 5m, lockable to store valuable equipment. Solid roof over operator, level installation maximum 2 stairs over ground. One side open towards landing pad, with simple access. Max ramp angle 10 degrees</p>	<p>Inside (office) area min. 3m x 5m, lockable to store valuable equipment. Solid roof over operator, level installation maximum 2 stairs over ground. One side open towards landing pad, with simple access. Max ramp angle 10 degrees</p>	<p>Inside (office) area min. 3m x 5m, lockable to store valuable equipment. Solid roof over operator, level installation maximum 2 stairs over ground. One side open towards landing pad, with simple access. Max ramp angle 10 degrees</p>
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