Skycutter

SC-ISR specification

Max Flight Time:	72 min
Maximum airspeed	27 m/s (100 km/h)
Maximum wind speed (continuous)	12 m/s
IP rating equivalent	23
Battery	25.5V 600Wh
Temperature range	-20°C to 50°C
Standard Hovering Accuracy (GPS)	Vertical: ±0.5 m, Horizontal: ±1.5 m
Proven GNNS denied capable operation	Yes
Recommend cruise speed	15 m/s (55 km/h)
Maximum operating altitude ASL	3000 m

Sensor
40x zoom EO & 6x zoom IR, 3 axis gimbal, target tracking, classification & slant range estimator.

Interceptor Avoidance
360° radar detection from 20m & automatic evasive action

Ground Control Station & Antenna

Multi-frequency EW resilient	1.6-2.5 Ghz frequency hopping
Transmission Distance	>10 km

Weight

Airframe mass	2.7kg
TOW including 600Wh battery	4.7kg
Aircraft Maximum Take-off Weight (MTOW)	5.7 kg
Maximum Recommended Payload	1 kg
Thrust-to-weight Ratio (1kg payload)	2:1

Dimensions	Folded	Unfolded
Length	340mm	530mm
Width	300 mm	530mm
Height	210 mm	240mm
Diagonal motor to motor		800mm
Max Width (propeller tip to tip)		1200mm

Complete system
SC-ISR, GCS, ground radio antenna assembly, 3 batteries, 25m antenna cable, battery charger

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SC1200 - Specification

One-way FPV Effector with Terminal Guidance System

Max payload	10kg
Range	Up to 100km (2kg payload)
Aircraft maximum recommended TOW	20 kg (10kg payload)
Max Airspeed Speed	35 m/s (125 km/h)
Recommend Cruise Speed	15 m/s
Operation temperature range	-20°C to 50°C

Range: 30km or 50km radio link versions with EW resilience
Operate within GNNS denied environments
Configurable Mesh network for long range signal repeating.

Dimensions	Folded	Unfolded
Length	500 mm	800mm
Width	500 mm	800mm
Height (plus leg Length)	150 mm	150mm
Diagonal motor to motor		1200mm

Terminal Guidance System

Skycutter developed final phase autonomous target guidance system.

Ground control station

FPV goggles, laptop with controller or dedicated handheld GCS.
Optional antenna mast with range of directional antenna options.

SC1200

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