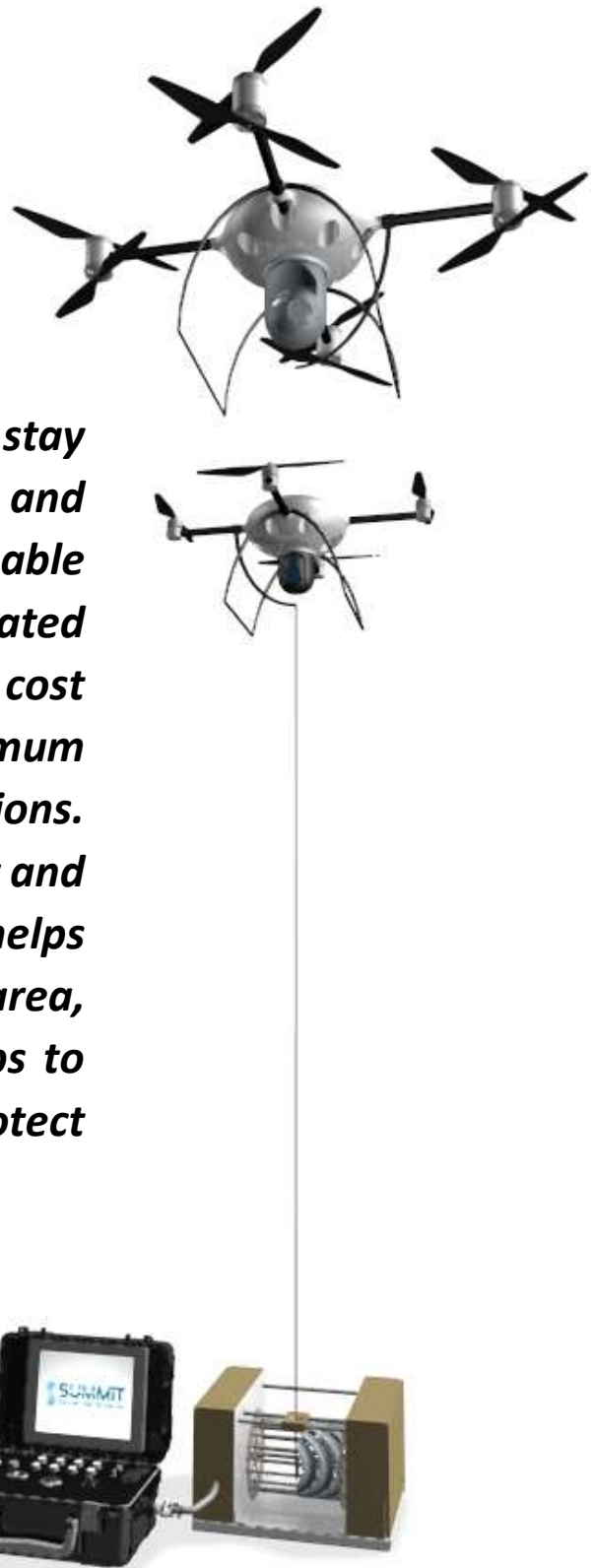


Aerial Surveillance System OCULUS – tethered permanent guard

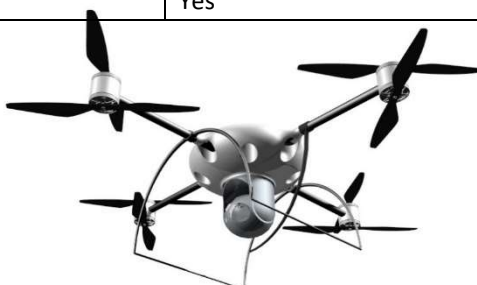
“Provides UNLIMITED capability to stay airborne and deliver monitoring and surveillance data. Represents unjammable solution, both power and data are integrated in lightweight tether. Flexible, and cost effective solution with minimum maintenance. Proven in various applications. Covering radius of up to 15 km during day and night, equipped with advanced cameras helps to identify targets within the detection area, performs a visual investigation and helps to take immediate actions required to protect designated area.”



The **OCULUS** tethered copter system is cost-effective, simple to implement solution, which allows rapid deployment by single operator and gyro stabilized, dual sensor camera with up to 15 km of surveillance capabilities. System is flexible for transportation and weather resistant. The system cannot be jammed, equipped with silent military grade motors.

- tethered system (unlimited flight time) with optional tether disconnect possibility – following the target
- maximum altitude when tethered 150 m, wind resistance up to 15 m/s, rain&snow resistant
- military grade long range datalink (10 km for disconnecting version)
- payload up to 6 kg, ready to fly with Controp T-Stamp gimbal class
- robust small GCS with one application for both gimbal and copter control
- fully automated and compact system including autopilot and automatic winch control
- one button take off & landing and altitude control
- advanced flight telemetry with ability to connect wide range of additional customer sensors
- easily transportable in small van, fast deployment
- safe emergency landing after engine / propeller failure
- easy maintenance

Storage dimensions	120 x 120 x 51 cm
Operational dimensions	176 x 176 x 51 cm
Max. payload	6 kg
Recommended gimbal	Controp T-Stamp
Max. extra payload (additionally to gimbal)	2.4 kg
Tethered version	Yes
Disconnection of tether during flight	Optional
Max. altitude on tether	150 m
Wind resistance	15 m/s (29 knots)
Max. cruising speed	17 m/s (33 knots)
Aircraft motor configuration	8 motors, coaxial design, IP67
Motor redundancy	Yes, safe landing after motor / propeller failure
Operating temperature	- 10 ⁰ C to +40 ⁰ C
Power and data transmission	Over tether, impossible to jam
Video output	Yes, full HD, HDMI out
Control station	Summit GCS (compatible with Summit Astrum aerostat GCS)
Control software	Summit flight control application, (autopilot, map navigation, wide range of telemetry and features)
Winch	Fully automated with active motor, linear speed regulation
Power input	230VAC / 50Hz, 6kW petrol generator
Custom telemetry	Yes



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