

# SDO 50 V2 FOR AERIAL SURVEILLANCE

Aerial surveillance will give you unparalleled flexibility compared to traditional surveillance methods. Most of the traditional surveillance is limited by the stationary nature of the observer or camera. Earlier aerial surveillance methods using helicopters deemed expensive. SDO 50 V2 with its class leading payload capability, allow the user to choose the best camera system for their mission. Higher payload capacity means, you will be able to carry multiple sensors.

A key advantage of SDO 50 V2 aerial system is its ability to collect imagery, ideally suited for reconnaissance or rapid situation awareness, for decision makers to detect, monitor and act upon potential threats from a safe distance. SDO 50 V2 has long endurance and quick turn around time. You will always have an eye in the sky when and where your need it the most.



**SWISSDRONES**  
OPERATING AG



**Flight time up to 2,5 hours**  
**Gimbal capacity up to 10 kg**  
**Quick turnaround time**  
**Long range digital data link**



#### Factbox SDO 50 V2:

Rotary system:	Flettner double rotor system (4 blades)
Rotor diameter:	2x 2,82 m
Engine:	High performance turbine
Fuel:	JET A1 (optional Diesel)
Fuel consumption:	Approx. 15 L / hour
Dimensions l/w/h:	2,32 m x 0,7 m x 0,92 m
Empty weight:	42 kg
Max payload:	45 kg
MTOW:	87 kg
Max fuel capacity:	Main tank 13L add. tank 2x4L ; 2x7L ; 2 x 13L
Max flight time:	Up to 2,5 hours
Max service ceiling:	Up to 3000 m AMSL
Max airspeed:	20 m/s (72 km/h)

NOTE! All performance data about the SDO 50 V2 and for the GCS are subject to change, depending on final payload configuration.

#### Factbox (ASS) Aerial Surveillance System:

EO Sensor:	HD 720p / 1270x720 pixel resolution 30x optical zoom
IR Sensor:	SD 640x480 pixel resolution 3-5 $\mu$ cooled 15x IR zoom lens 8,6 km human detection 2,9 km human recognition
Optional items:	Laser rangefinder up to 5000 m Laser illuminator class IIIb

Can be equipped with any gimbal based on customer's requirements

<b>Applications:</b>	Border security Costal surveillance Disaster management Search and rescue
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