

Unmanned surveillance team

The key focus of the robotics lab at the new DSO Complex is teaming up unmanned air and ground vehicles, which will help provide the Singapore Armed Forces with superior surveillance and intelligence-gathering abilities.



Unmanned aerial vehicle (UAV) - V15

- Vertical take-off and landing, able to take off and land within a 1 sq m space
- Able to take off and land on a moving unmanned ground vehicle
- Can provide aerial surveillance to ensure a safe route for ground vehicles

Unmanned ground vehicle (UGV)

- Able to navigate in complex terrains such as forested areas
- Using Light Detection and Ranging (Lidar) and vision sensors, the UGV is able to navigate without the use of GPS or road maps



Both the UGV and UAV can be equipped with smart sensors that can continuously identify and track both vehicles and humans