

# STrobo

SECURITY ROBOTICS



 **ST Engineering**

# DETECT & DETER WITH INTELLIGENT ROBOTICS

In a world faced with increasingly complex security threats, many countries are raising the level of preparedness among citizens and Homeland Security forces to ensure peace and security.

Against this backdrop, ST Engineering has developed an Autonomous Security Robotics Solution that can be deployed 24/7, providing a collaborative, intelligent and dependable system to complement existing security operations.

Adopting artificial intelligence and machine perception, the solution can pick up anomalies in the environment and effectively detect intruders or blacklisted persons. It allows security service providers to deploy human resources for higher level tasks, thereby facilitating man-unmanned operation for increased operational effectiveness.



Smart



Customised Solutions



Autonomous Charging



Natural Navigation (LIDAR SLAM)



Easy to Deploy

## KEY FEATURES

- All-round & PTZ cameras for 360° panoramic surveillance
- Telescopic mast to oversee crowded areas
- Facial recognition capability (Indexing/Blacklist/Whitelist)
- Remote operation via secured 4G network (FIPS 140-2 Level 2 Compliant)
- Scalable, i.e. single or multi-robot system
- Modular design enables customisation, e.g. robot can be re-configured to User's unique operational requirements (robotic arm, drone etc.)



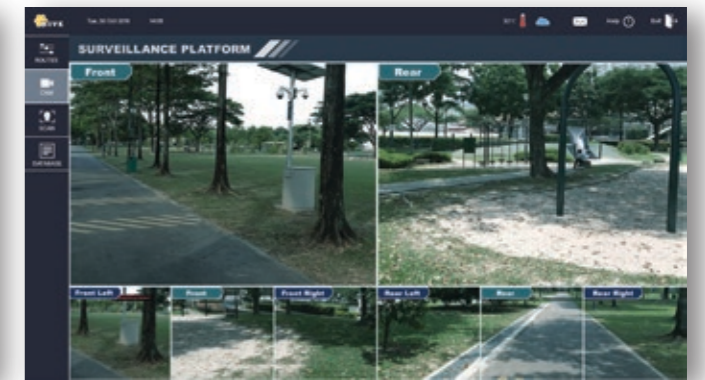
Central Command Centre & Fleet Management



Facial recognition



All-round & PTZ cameras for 360° panoramic scan and view



Remote operation via secured 4G network

## TECHNICAL SPECIFICATIONS

<b>Overall Dimensions</b>	1000 mm x 840 mm x 1600 mm
<b>Weight</b>	< 160 kg
<b>Maximum Speed</b>	1 m/s
<b>Operation Duration</b>	6 h*
<b>Charging Time</b>	4 h
<b>Battery Capacity</b>	48 V, 50 Ah
<b>Environment Temp</b>	5 °C ~ 45 °C
<b>Ground Clearance</b>	100 mm
<b>Max Forward Slope</b>	15 °
<b>Environmental Spec</b>	IP55

\*Under normal operating conditions

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