

Tech to boost Home Team operations

The newly formed Home Team Science and Technology Agency yesterday unveiled its latest projects to solve crimes, save lives and protect public spaces. Here are some of them.

1 EXTRACTING DATA FROM PHONES

- Digital Forensic Kiosks are now available at every division to allow police officers to extract data from personal devices any time
- Previously available only at a central lab
- Designed to be simple to use
- Can extract info such as images and messages from laptops, mobile phones and hard disk drives



2 ROBOTS THAT DETECT LIFE

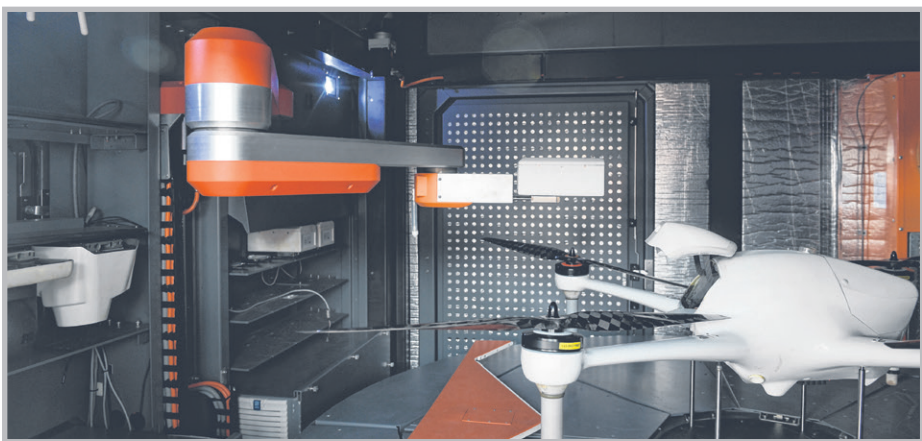
Life-detection robot



- It looks like a snake and is meant to crawl through debris and rubble
- Has cameras and microphones for visual and audio detection, and drops sensor units to detect chemicals such as carbon dioxide and ammonia

Rover-X

- A robot resembling a dog, it is able to move across uneven terrain on its own
- Able to balance itself and also move up stairs
- Has thermal cameras and sensors to detect life



3 CONTROLLING DRONES REMOTELY

- Drones could be deployed from special weather-proof boxes
- Can fly within a 5km radius, and do not need a ground pilot to operate
- Used for surveillance and search-and-rescue
- Drones that return to the box after flights can have their batteries swapped automatically



Interior of vehicle.

4 ANTI-DRONE CAR

- Instead of deploying a team of officers with drone-jammer guns, the same job could be done by one officer
- Called the Xentinel, the anti-drone vehicle can be deployed within minutes

- Uses radar and detects the direction of radio frequency to discover drones

