How it works

1. **Infrared cameras** detect a swimmer in difficulty who is sinking to the base of the pool.
2. **Central processor** analyses the data based on texture, volume, swimmer’s movement and trajectory.
3. Within 15 seconds, it sends an alert to an **LED display panel** and also triggers an alarm, alerting lifeguards.
4. Continuous recordings are captured on a touch-screen monitor beside the pool.

**How it works**

- **48** specially customised cameras
- **24** infrared cameras
- **12** infrared illuminators
- **8** 13m poles

Source: SPORT SINGAPORE   STRAITS TIMES GRAPHICS