

Armed robots for Korea border surveillance

South Korea plans to introduce hundreds of hi-tech military robots to guard against any aggressive move from the communist North. The robots will supplement human guards along the heavily-fortified frontier bisecting the two Koreas

INTELLIGENT SURVEILLANCE & SECURITY GUARD

ROBOT (SGR-A1)

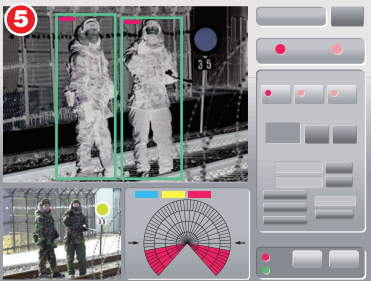
Cost: \$200,000

1 Surveillance

Cameras spot moving objects up to 4km away by day and 2km at night

2 Tracking: Camera, infra-red illuminator and laser rangefinder recognise targets up to 2km away by day and 1km at night

3 Weapon: Can sound alarm or fire machine-gun or rubber bullets

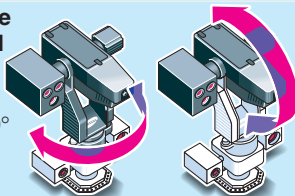


Demilitarized Zone: Robots to deploy on border from late 2007

4 Drive control motor

Rotates through 180°

Tilts up 45° down 60°



5 Console: Unit operated using joystick and touch screen controls

► Pattern recognition software and zoom function used to distinguish between humans, cars and trees

► Robot demands pre-programmed password when target 10m away. Wrong response could mean robot opens fire