



We keep you safe 24/7

HSL Security Robot functions:

- Zoom-in, wide-angle, thermal imaging three-way cameras are installed. Any actions are detectable and visible.
- The highly sensitive detection radar and 3D camera can provide early warning and obstacle avoidance.
- Intelligent and autonomous patrol tasks can be carried out according to the route.
- HSL Security Robot is 100 kgs/each, and max. load is 200kgs.
- Obstacle crossing ability is 10cm.
- Climbing ability is 30 degrees.
- Instant wading is 10cm
- Wind resistance is Level 8
- Maximum travel speed is 3.75 miles/hour.
- HSL Robot adjustable range is 4'9" – 5'7" height.
- Lidar system is up to 495 feet range, and 40 feet obstacle avoidance
- Depth camera: RGB resolution ratio up to 1920 X 1080, Depth resolution up to 1280 X 720
- Thermal imaging camera: 384 x 288 full screen measuring temperature
- HD night vision camera: FOV150, 1080p
- Telephoto camera: Focal length 16mm, 1080p
- Two LED lights for night light support
- Dual microphone can communicate with personnel at site immediately
- One pair stereo speakers can broadcast to personnel at site.
- Twelve ultrasonic radars are installed.
- Temperature and humidity sensor is installed.

- Raindrop detector is installed.
- GPS navigation module is installed.
- AI system and visual management platform includes three-way video monitoring, slam navigation planning; face recognition; human body recognition; vehicle, license plate and objects recognition and other functions.
- Intelligent self-charging
- MDS composite data link. Data is selectively stored and managed in the cloud during the transmission process.
- One-click connect to police alarm system.