

COUNTER-DRONE & ROBOTICS · AUTONOMOUS PATROL

D-DOG

L2 Layer · Observation & patrol

A quadruped patrol robot that carries day-and-night cameras into ground-level blind spots and reports to your control room.



KEY BENEFITS

- 01 Covers the blind spots**
Brings a camera to ground a fixed camera cannot see.
- 02 Patrols day and night**
Autonomous rounds with obstacle avoidance and quiet operation.
- 03 Part of the system**
The ground layer of D-Fence SPECTRA, reporting to your control room.

HOW IT WORKS

- 01 Map**
The robot maps the site with SLAM and LiDAR.
- 02 Patrol**
It walks its round autonomously and avoids obstacles.
- 03 Observe**
The camera payload streams video by day and by night.
- 04 Report**
Operators watch the feed and take remote control when needed.

SPECIFICATIONS

Platform	Quadruped patrol robot
Navigation	Autonomous, SLAM + LiDAR, obstacle avoidance
Operational range	Up to 10 km
Payload interface	Up to 15 kg
Payloads	Modular: cameras (incl. bi-spectrum PTZ), sensors, antennas
Awareness	360°, day & night; thermal cameras
Control	Full remote control; integration with control systems

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-DOG by D-FENCE Electronic Fencing and Security Systems Ltd. (ISO 9001:2015 certified quality management), or an approved equivalent that meets every requirement in this section.

2. FUNCTION

A quadruped patrol robot that carries day-and-night cameras into ground-level blind spots and reports to your control room.

3. THE SYSTEM SHALL PROVIDE

- **Autonomous navigation:** SLAM + LiDAR.
- **Obstacle avoidance:** Advanced sensors detect obstacles and steer around them.
- **360° awareness:** Day and night, with thermal camera payloads.
- **Low noise:** Quiet operation for discreet patrols.
- **Modular payloads:** Cameras, sensors and communication modules.
- **All terrain:** Rugged and built to endure.
- **Remote control:** Full remote control and integration with control systems.

4. TECHNICAL REQUIREMENTS

- **Platform:** Quadruped patrol robot
- **Navigation:** Autonomous, SLAM + LiDAR, obstacle avoidance
- **Operational range:** Up to 10 km
- **Payload interface:** Up to 15 kg
- **Payloads:** Modular: cameras (incl. bi-spectrum PTZ), sensors, antennas
- **Awareness:** 360°, day & night; thermal cameras
- **Control:** Full remote control; integration with control systems

5. DETECTION SEQUENCE

1. **Map:** The robot maps the site with SLAM and LiDAR.
2. **Patrol:** It walks its round autonomously and avoids obstacles.
3. **Observe:** The camera payload streams video by day and by night.
4. **Report:** Operators watch the feed and take remote control when needed.

6. SUBMITTALS

Before installation, the contractor shall submit the manufacturer's datasheet, the installation instructions and the zone layout for approval.