COUNTER-DRONE & ROBOTICS · MOBILE MULTI-LAYER PLATFORM

D-Fence SPECTRA

L1 Layer · Airspace

Thermal and PTZ cameras, RF detection with anti-drone capability and a patrol robot on one solar trailer, operational in under 10 minutes.



KEY BENEFITS

01 **Operational in under 10 minutes**
From transport to full operation, deployable anywhere.

02 **Every layer on one trailer**
Perimeter, airspace and ground-level awareness from a single platform.

03 **Fewer people on site**
Autonomous 24/7 operation, with no constant staffing required.

HOW IT WORKS

01 **Deploy**
Tow the trailer in, open the solar panels and raise the mast.

02 **Watch**
Thermal and PTZ cameras with AI analytics cover the perimeter day and night.

03 **Scan the sky**
RF signal detection picks up drone control links.

04 **Patrol**
The robotic dog checks alerts at ground level.

SPECIFICATIONS

Deployment time	Under 10 minutes from transport to full operation
Platform	AI-EYE IN THE SKY solar trailer, mobile and autonomous
Surveillance	Thermal and PTZ cameras with real-time analytics, 24/7
Airspace	RF signal detection with anti-drone module
Ground	Robotic dog integration (D-DOG)
Power	Solar
Outputs	Command & control centre · SMS · siren · floodlight · CCTV
Applications	Borders, airports, military bases, critical infrastructure, high-value facilities

05 **Report**
Alerts and video reach the control centre and mobile devices.

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-Fence SPECTRA 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

Thermal and PTZ cameras, RF detection with anti-drone capability and a patrol robot on one solar trailer, operational in under 10 minutes.

3. THE SYSTEM SHALL PROVIDE

- **Thermal & PTZ cameras:** 24/7 surveillance with smart real-time analytics.
- **RF detection & anti-drone:** Detects and identifies drones by their control signals.
- **Mobile & autonomous:** Solar-powered, deployable anywhere within minutes.
- **Robotic dog integration:** Ground-level response and patrol support.
- **Manpower-light:** Lower operating costs, with no constant staffing required.
- **Scalable & flexible:** Adapts to civilian, defence or emergency use.

4. TECHNICAL REQUIREMENTS

- **Deployment time:** Under 10 minutes from transport to full operation
- **Platform:** AI-EYE IN THE SKY solar trailer, mobile and autonomous
- **Surveillance:** Thermal and PTZ cameras with real-time analytics, 24/7
- **Airspace:** RF signal detection with anti-drone module
- **Ground:** Robotic dog integration (D-DOG)
- **Power:** Solar
- **Outputs:** Command & control centre · SMS · siren · floodlight · CCTV
- **Applications:** Borders, airports, military bases, critical infrastructure, high-value facilities

5. DETECTION SEQUENCE

1. **Deploy:** Tow the trailer in, open the solar panels and raise the mast.
2. **Watch:** Thermal and PTZ cameras with AI analytics cover the perimeter day and night.
3. **Scan the sky:** RF signal detection picks up drone control links.
4. **Patrol:** The robotic dog checks alerts at ground level.
5. **Report:** Alerts and video reach the control centre and mobile devices.

6. SUBMITTALS

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