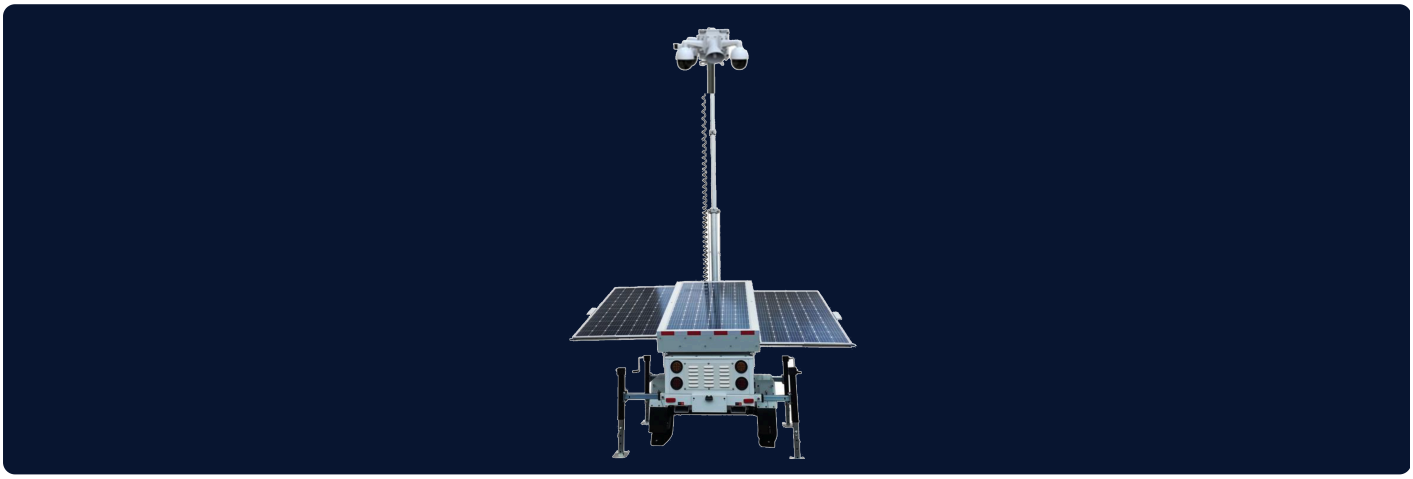
MOBILE · AUTONOMOUS SOLAR TRAILER · MODEL 5.0

AI-EYE IN THE SKY

L2 Layer · Observation & patrol

An autonomous solar trailer with a telescopic camera mast that puts any site under watch in under 10 minutes.



KEY BENEFITS

01 **Up in minutes, anywhere**
Tow it in, lower the jacks, raise the mast: operational in under 10 minutes, with no cabling or fixed infrastructure.

02 **Runs on its own power**
Solar array, battery bank and silent backup generator keep it watching for up to 72 h off-grid.

03 **Sees, warns, reports**
AI cameras detect and track; floodlight and loudspeaker deter; video and alarms reach your control room over 5G / VPN.

HOW IT WORKS

01 **Tow & deploy**
Park on any terrain, lower the levelling jacks, raise the mast.

02 **Detect**
PTZ, perimeter and thermal cameras with AI analytics watch 360°.

03 **Deter**
Floodlight, siren and live voice through the loudspeaker.

SPECIFICATIONS

Model	AI-EYE IN THE SKY 5.0 · army model with a 25+ m mast on request
Mast	Telescopic, 12 m above ground · electric winch · power and network cables run inside the mast
Cameras	6 in total: 4 fixed perimeter cameras (4 to 20 MP) for 360° coverage + 2 PTZ, 25× optical zoom, IR up to 100 m · IP66, –30 °C to +65 °C
Range (PTZ, tele)	Detection 2,200 m · observation 873 m · recognition 440 m · identification 220 m
AI analytics	Person and vehicle classification, line crossing, intrusion, loitering, counting, smart forensic search
Energy	Bifacial 440 W solar modules (1,500 V) · 11.77 kWh lithium battery · MPPT 150/45 charge controller
Backup and autonomy	Industrial UPS for all systems · silent generator in an acoustic enclosure · up to 14.4 kW backup · continuous 24/7 operation
Power supply	12 / 24 / 48 V DC · 24 V to 220 VAC inverter with two external sockets

04 **Report**
An encrypted 5G / VPN link sends video, alarm and GPS position to D-Command Control, your VMS or PSIM.

05 **Respond**
The control room or a mobile patrol acts on a verified event.

Recording and local control	16-channel NVR, 8 TB · 11″ control screen in the command bay with 4K HDMI output · interior service cameras
Communications	4G and 5G routers · VPN · high-gain LTE / GPS antenna · GPS tracking and alerts
Alarm and lighting	Light-and-sound siren with alarm inputs · IP67 LED floodlight
Trailer and safety	1.45 t braked base trailer, standard hitch, levelling jacks · 1,450 kg · road-licensed by the Israel Ministry of Transport · full grounding · 2 fire extinguishers (manual + remote automatic) · fire-retardant paint
AI-EYE 360 compact configuration	Mast up to 7.8 m · person detection up to 40 m · vehicle detection up to 75 m · coverage diameter up to 50 m

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be AI-EYE IN THE SKY 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

An autonomous solar trailer with a telescopic camera mast that puts any site under watch in under 10 minutes.

3. THE SYSTEM SHALL PROVIDE

- **AI video analytics:** Real-time detection of suspicious movement and behaviour, with object classification and threat identification.
- **PTZ with auto-tracking:** Two PTZ cameras with 25× optical zoom and IR up to 100 m track targets automatically, with face capture and smart events.
- **Day and night:** Infrared and thermal imaging keep detection going in total darkness.
- **Deterrence on the spot:** Loudspeaker for live voice, LED floodlight and a light-and-sound alarm.
- **Off-grid power:** Solar array, 11.77 kWh battery bank and a silent backup generator.
- **Encrypted link:** 5G / VPN / radio to the control room and mobile patrols, with live video and GPS position.
- **Radar option:** Radar for early detection of drones, vehicles and suspicious objects.
- **Basic or Premium:** Premium adds C4I integration, anomaly and behaviour AI, Remote ID & RF detection, EMF analysis and D-DOME integration.
- **Built for the field:** Braked trailer, levelling jacks, full grounding and two fire extinguishers (manual and remote automatic).

4. TECHNICAL REQUIREMENTS

- **Model:** AI-EYE IN THE SKY 5.0 · army model with a 25+ m mast on request
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5. DETECTION SEQUENCE

1. **Tow & deploy:** Park on any terrain, lower the levelling jacks, raise the mast.
2. **Detect:** PTZ, perimeter and thermal cameras with AI analytics watch 360°.
3. **Deter:** Floodlight, siren and live voice through the loudspeaker.
4. **Report:** An encrypted 5G / VPN link sends video, alarm and GPS position to D-Command Control, your VMS or PSIM.
5. **Respond:** The control room or a mobile patrol acts on a verified event.

6. SUBMITTALS

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