

MOBILE SENTINEL

MOBILE THREAT DETECTION SOLUTION



**THERMAL
RADAR™**
Visionary Thermal Detection



➔ Fully Self-Contained Surveillance Solution:

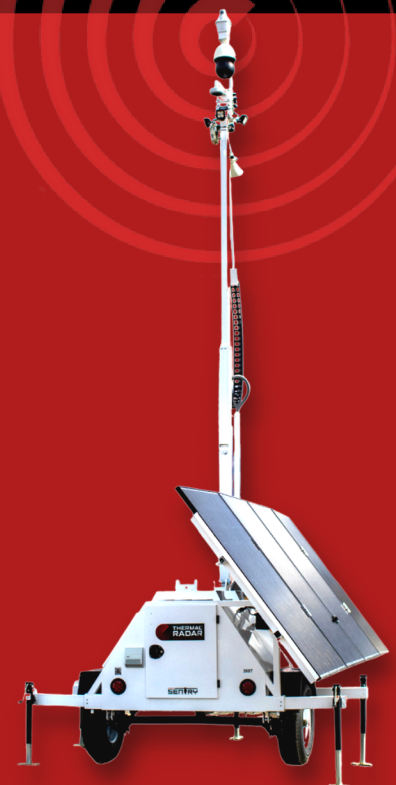
Includes Thermal Radar or Hydra, two (2) 400-watt solar panels and 250 Ah battery storage, ruggedized computer for Video Management System (VMS), network switch, relay modules (if required), cellular / Wi-Fi router, TPDIN remote monitor / control unit, and power supplies.

➔ Heavy-Duty Steel Trailer:

The most robust, high-quality trailer available on the market today, with a heavy-duty 6,000 lb. axle/suspension; auto/hydraulic controls; temperature-controlled interior, and powder-coated exterior. The sturdy surveillance platform can be easily moved from one location to another. Solution includes solar panels and an internal storage compartment.

➔ Flexible Solution:

Ability to add multiple options, such as a deterrent package (i.e., speaker, strobe light, LED lights), point-to-point communication, manual or hydraulically-actuated camera mast, manual or electronic actuated solar panels, and/or additional solar panels and batteries (up to four panels, 500 Ah battery storage @24v). Additionally, a supplemental charging system to assist the solar panels in the form of a diesel generator or environmentally friendly methanol generator can be added, which extends the autonomous performance of the systems.



DETECTION OPTIONS



THERMAL RADAR™
Visionary Thermal Detection



LARGE DETECTION AREA:

Unlike an active radar system that emits radio waves, Thermal Radar is a passive solution that can detect intruders in a continuous 360° perimeter, up to 200 acres for human detection.

POWERFUL ONBOARD VIDEO ANALYTICS:

Simple, easy-to-use, edge-based analytics allows users to quickly identify intrusions over the entire 360° field of view. The “quick setup” feature provides perimeter protection within just a few minutes of deployment.

GUI & FLEXIBLE ALERT PLATFORM:

An intuitive, graphical user interface (GUI) affords end-users multiple options to customize each deployment environment. Thermal Radar creates a 360° view of a site and generates alerts/alarms through most major VMS platforms. Alerting functionality via text, email, or the VMS mobile application.



HYDRA
POWERED BY THERMAL RADAR



PTZ INTEGRATION:

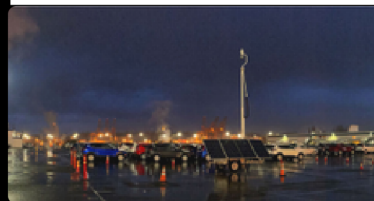
Thermal Radar integrates with leading PTZ camera manufacturers.

DETECTION AND TARGETED SURVEILLANCE:

Combines the unparalleled detection capabilities of Thermal Radar with a laser-illuminated and/or infrared capable Pan-Tilt-Zoom (PTZ) camera. The addition of the PTZ adds a visual color verification of the threat.

SMART SURVEILLANCE:

Thermal Radar detects short- and long-range threats before, at, and within a perimeter. It then sends slew-to-cue commands to the PTZ for immediate optical confirmation and intelligence of the intruding target.



MOBILE SENTRY TECHNICAL SPECIFICATIONS

Heavy-Duty Steel Trailer

PHYSICAL DIMENSIONS

Material	Steel Frame
Weight	2,100 lbs (953 kg)
Mast Height	Hydraulic from 17 - 27 ft (5.2 to 8.2m)
Dimensions	6'9" (W) x 12' (L) x 8'3" (H) (2x3.7x2.5m)

COMMUNICATION

Antennas	Wi-Fi and Cellular
Point-to-Point	Network connection available

INTERNAL COMPONENTS

VMS PC	Ruggedized PC, Windows 10 Pro
Storage	512 GB OS, 1 TB Video Data
Components	Router, Network Switch, Remote Power Monitor, Power Supplied, Custom Wiring, Relays (when required)

POWER SUPPLY AND BATTERIES

Solar Power	Two (2) 400-watt panels
Batteries	250 Ah @ 24v DC
Solar Panel Actuation	Electronic
Power Monitor	Automatic

COMPATIBILITY

Thermal Radar	All Models
Hydra	All Models

OPTIONAL ACCESSORIES

Additional Solar Panel	Two (2) 300-watt panels (total of 4)
Additional Batteries	250 Ah (total of 500 Ah @ 24v DC)
Supplemental Power	Diesel generator or EFOY Fuel Cell
Deterrent Package	LED Lights, Strobe, Speaker, Relays