

Thermal Radar and Hyperspike

DETECT. WARN. DETER.

THE COMPLETE SOLUTION

COMBINING THERMAL RADAR'S 360° THERMAL CAMERA WITH
ULTRA ELECTRONIC'S HYPERSPIKE DETERRENT PLATFORM

Initial detections are assessed and classified by the low-power Thermal Radar system and escalated to the Ultra Electronic HS-14 Remote Acoustic Hailing Device (RAHD). If initial warnings fail, an "Eyes On" determination can be made to see any or all three warning/deter devices to provide nonlethal force escalation, including a 1,500-meter audible warning via the 148 dB SPL peak acoustic output, laser dazzler, and high-power search light.



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DETECT

Thermal Radar's unique, patented, low-power, continuous 360° detection system is the workhorse of the system. This device provides 24/7 blanket thermal coverage for the protected area, assessing and classifying intruders as they breach the perimeter.

SEARCH AND SEE ALL THREATS

- 360° thermal panoramic camera providing human detection to 500m and vehicle detection to 1000m for accurate targeting in complete darkness
- Thermal camera is separate from the HD assessment camera, providing continual situational awareness
- Sensor configurations:
 - 12 µm pitch Vanadium Oxide (VOx) uncooled detectors
 - 640x512 resolution
 - Thermal Optics from 8.7mm to 18mm



WARN

Intrusions are provided an initial notice from the powerful HyperSpike platform, which can send pre-programmed combinations of light, laser, and audible warnings based on thermal detections of intruders within the perimeter.

INTELLIGENTLY IDENTIFY AND TRACK INTRUDERS

- Slew to Cue commands from the thermal camera to the visual HD camera provide automatic visual confirmation of intruders for targeted, automatic warnings
- All systems controlled from one interface, by one user
- Can be integrated with other sensors (UGS, Ground Surveillance Radars, CBRNE)
- System covers all tactical aspects: all-weather target detection, threat assessment, target geo-location, then stepped deterrent response



DETER

The HyperSpike platform allows an operator to escalate the nonlethal force by directing any of the installed devices with a touch of a button - whether onsite or remote. A ruggedized pan-tilt positioner allows directional operation of the HD camera, the 12,000,000 candlepower spotlight, the high-power 148 dB acoustic element, and the optional laser dazzler.

EOF MODULAR FULL RANGE OF DETERRENCE

- Onsite or Remote-Based Operations for Targeted Deterrence
- 12,000 Candlepower Spotlight
- 148 dB Targeted Speaker (up to 1.5km)
- Laser Dazzler