

PHYSICAL SECURITY made easy

easy TO MONITOR

easy TO DETER & RESPOND

easy TO INSTALL & INTEGRATE

easy TO TRY & BUY



Event-based layered security powered by

GROUNDWARE®

Event-based layered security powered by **GROUNDWARE®**



Digital radar for
large-area real-
time surveillance



Automated 24/7
monitoring in all
weather conditions



Real-time
when, where,
how

Looking for next-generation situational awareness to protect your critical sites?

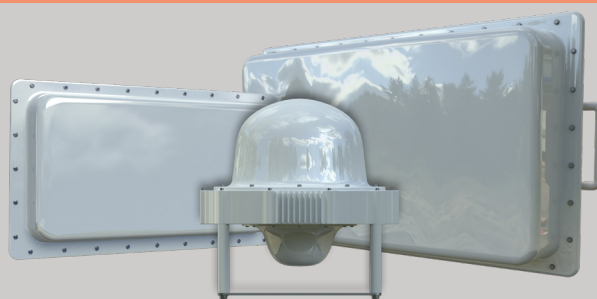
GroundAware® Surveillance Sensor Systems, from Observations Without Limits (OWL), **make it easy** to monitor, deter, and respond to security events as they occur across wide areas or in focused zones. And thanks to easy integration with other security assets, GroundAware gives operators the comprehensive, actionable information to **know when, where, and how** intruders threaten, along with the automation to react to those threats instantaneously. GroundAware is the versatile platform for true event-based layered security.

GroundAware installation is quick and straightforward. And OWL makes it easy for customers to try out GroundAware before making decisions to buy.

GroundAware Family of Surveillance Sensor Systems

GA4000 Series

Instrumented range: 5 km
Vehicle/human/drone: >4 km / 2 km / 1.5 km
Field of view: 120°/panel (240° & 360° options)



GA1360

Instrumented range: 1 km
Vehicle/human/drone: 1 km / .5 km / .25 km
Field of view: 360°

GA9000 Series

Instrumented range: 15 km
Vehicle/human/drone: >13 km / >8 km / >5 km
Field of view: 120°/panel (240° & 360° options)

The dashboard interface includes a map view with a satellite overlay, a track information panel, and a camera slewing control panel. The track information panel displays the following data:

- ID: 12832582
- Duration: 41.3 seconds
- Updated: 0 seconds ago
- Speed: 3.3 mph
- Heading: E (86.2 degrees)
- Quality: 30
- Distance: 282.2 m (926 ft)
- Altitude: -0.1 m (-0.3 ft)
- Classification:
 - PERSON 93.5 %
 - Animal 6.1 %
 - Unknown 0.2 %
 - Vehicle 0.2 %

The camera slewing control panel includes a dropdown menu for "Automated Camera Slewing Enabled" and a list of camera feeds. The camera feeds are labeled "FLIR-606-Optical" and "FLIR-606-IR". The dashboard also features a "Load Admin Tools" button, a "Description" button, a "View Rules" button, a "Remove Zone" button, and a "View Zone Violations" button. The "Alarm Classes" section includes checkboxes for "Aircraft", "Animal", "Person", "Vehicle", and "Unknown". The "Alarm Heading" and "Alarm Responses" sections are also visible. The bottom status bar indicates "Showing 5 seconds of tracks from 0 seconds ago".

GroundAware's intuitive, web-based dashboard enables easy management and viewing of real-time detection, tracking, alarming, classification, and related information from GroundAware sensors and other layers of security (such as HD and infrared cameras shown here) used by critical infrastructure owners.



Time data
here, &
needed



Easy integration
with range of
security systems



Target classification
for focus on real
threats



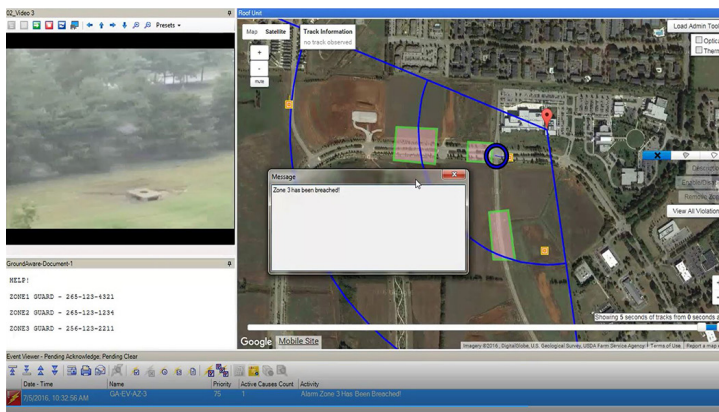
Superfast data
updated for accuracy
& reliability



New layer of security
for deterrence &
response



Lowest total cost for
coverage of critical
sites (<\$60/acre)



easyTO MONITOR

- Respond in real time to real security events – no more manual monitoring required!
- Eliminate false alarms, reduce nuisances by alarming only on targets of actual concern
- Easy-to-use web interface
- Point-and-click map-based alert zones

easyTO DETER & RESPOND

- Layered architecture enables integrated use of complementary security assets
- Slew-to-cue video tracking & verification
- Automated deterrence using lights, sirens, and two-way voice communication
- Monitoring and procedural information provided in real time to coordinate response



easyTO INSTALL & INTEGRATE

- Standards-based, open architecture simplifies integration with other systems
- HD and infrared cameras, video management, access control, PSIM/event management, and other security systems

easyTO TRY & BUY

- Try GroundAware at customer sites before buying
- One bill, all-inclusive services
- Sold directly to customers and through value-added resellers, per customer preference
- FCC-certified, fully warranted



GROUNDWARE® FOR RANGE OF INDUSTRIES & SITES

- Electrical generation plants – nuclear, hydro, fossil, wind, & solar
- Electrical transmission & distribution sites
- Natural gas delivery sites/systems
- Water treatment facilities & reservoirs
- Airport, port, & rail sites
- Logistics & intermodal facilities
- Auto lots, metal yards, other commercial sites
- Offshore/onshore drilling facilities
- Mines and related facilities
- Military bases, airfields, & forward operating bases
- Government complexes
- Border regions
- Farms, refuges, & preserves
- School and college campuses
- Corporate campuses
- Correctional facilities
- Petrochemical plants
- Data centers
- Research centers
- Manufacturing plants
- Financial centers



To see demo or try out GroundAware at your site:

+1 (256) 713-5021 or 888-297-9559

www.owlknows.com



**OBSERVATION
WITHOUT
LIMITS**