Benchmark

A virtual wall of protection. An invisible layer of defense.

Impenetrable border control and surveillance without costly construction. Trusted, 24-hour mobile, remote and portable security by land and sea.

Benchmark's Integrated Surveillance Solution (ISS) puts technology of the future at your command today. As versatile as it is innovative, ISS provides the most comprehensive reconnaissance and target acquisition system available, combining thermal and day cameras, unattended ground sensor lasers, radar, remote video, MIMO radio technology, drones and map-based software to thwart illegal activity and threats.

From mast systems that can be rapidly deployed in remote areas to tracking and imaging tools that can be scaled to any situation, ISS proves security is more than meets the eye.

Seamless Surveillance Building Blocks

For scalability, the ISS is designed to start with one system component like the Two-Main Tower or the mobile ISS core and build from there.

Mobile Video Surveillance System (MVSS)

Rugged and ready for land or sea, our signature MVSS features a long-range day and night imaging, lasers for ranging and night spotting and overhead obstruction/power line detection. The MVSS is customizable with a 35' telescoping mast or a 16' mast that fully retracts into the bed of a standard pickup truck. This sophisticated surveillance suite has an optional self-leveling and gyro stabilization, a vehicle mounted laptop and includes detailed terrain and nautical maps. The ability to autodetect and track multiple targets along with onboard

storage of 30+ days of video data is also available. The system can be remotely controlled with line of sight transmission up to 20 miles.

Laser Range-Finder

With its built-in laser and dual-antenna GPS, the MVSS range-finder pinpoints the precise location of a threat and illuminates the target with a laser point seen only by investigating agents.

Gateway Technology & Software

At the heart of ISS lies sophisticated surveillance software utilized for perimeter protection of critical facilities and infrastructure. The content analysis software leverages geospatial information to geo-locate targets of interest. Critical target features are derived while the gateway transmits collected information to Central Control for remote monitoring to enable real-time decision-making.

Multiple Input/Multiple-Output Technology

By integrating 4x4 and 2x2 MIMO radio technology, ISS maintains reliable communication across the entire network.

Remote Video Surveillance System (RVSS)

Equipped with infrared and day cameras, Integrated Fixed Towers (IFT) can be networked with ISS for additional data and support.

Drone Technology

To safely survey a situation, an optional drone can be added to ISS that can automatically deploy to a target for a multi-angle view of the situation (e.g. whether weapons are present). Drones can hover at low altitude, store video for more than 30 days, auto-return, and self-charge for the next mission.

Two-Man Tower

Another building block in the ISS arsenal, the Two-Man Towers provide remote observation with an unobstructed 360° view and high-resolution thermal/day cameras. Self-leveling and climate controlled, the towers install in less than 10 minutes, raise to 20 feet in under four minutes and withstand winds up to 40 mph. An attachable ships ladder makes personnel changes easy.

Agent Portable Surveillance System (APSS)

Robust and rechargeable, APSS units can be carried directly to local and remote sites. Each system includes tripod-mounted EO/IR cameras, multiple video channels and responsive touch screens ideal for zoned surveillance and training.

Unattended Ground Sensor Network (UGS)

Seismic, acoustic, infrared, and magnetic UGS create an underground surveillance network that silently identifies multiple targets at once. Designed with long-battery life, sensors are nearly impossible to detect and can be drop-deployed or buried.

Targeted Applications

- Prevent border migration
- Monitor off-shore activity
- Protect assets and citizens
- Provide event security and surveillance
- Guard sensitive facilities
- Gather criminal evidence
- Deter smuggling and trafficking
- Aid search and rescue efforts
- Bolster homeland security

Ready When You Are

Whether you need a fleet of mobile surveillance units and ground sensors to span a national border, advanced technologies for stealth military operations or cutting-edge security to safeguard assets and events, discover how Benchmark can customize a revolutionary, cost-efficient solution for you.

▶ Benchmark®