

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 stealth or standard mobile ISS core and build from there.

The ISS core features a 34', 26' or 18' telescoping mast that fully retracts into the bed of a standard pickup truck and includes a stealth mode.

The stealth functionality allows it to fold down into the truck bed, making the mast indiscernible and ideal for law enforcement applications.



Mobile Integrated Surveillance Solution

Rugged and ready for land or sea, our signature mobile core can integrate long-range day and night imaging, lasers for ranging and night spotting and overhead obstruction/power line detection.

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 auto detect and track multiple targets along with on board 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.

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.

Optional Laser Range-Finder

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

Day and Night Imaging Options

Benchmark offers various day and infrared digital imaging options to address your exact use case while staying in budget. Day cameras are available with approximate 10000 meter, 5000 meter and 500 meter ranges, providing high-definition imaging for applications from surveillance of hundreds of acres to urban crowd control. Infrared options are available with approximate 10000 meter, 5000 meter and 3000 meter ranges for 24/7 visibility in remote or low-light settings.

Multiple Input/Multiple-Output Technology

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

Optional 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.



Optional 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

- Border security
- Off-shore activity
- High value assets and citizens
- Event security and surveillance
- Sensitive facilities
- Criminal deterrence
- Smuggling and trafficking
- Search and rescue efforts
- Homeland security

Ready When You Are

Whether you need a fleet of mobile surveillance units or 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.

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The Two-Man Surveillance Tower is the ideal solution for military and civilian use where high aerial manned observation is required.

The Two-Man Tower features a climate controlled cab with an unobstructed 360 degree view capable of supporting two security personnel. Four easily deployed outrigger arms provide the tower the ability to securely level itself on uneven terrain and safely operate in winds of up to 40 mph.

Unlike other manned towers, the Two-Man Surveillance Tower includes an attachable ships ladder to allow easy ingress and egress. Setup of the Two-Man Surveillance Tower can be accomplished in under 10 minutes with only a few personnel.



SPECIFICATIONS

Max Ext. Height (To Table)	15'-9"
Max Collapsed Height (Roof)	11'6"
Max Occupants Allowed	2
Total Capacity Allowed	800 lbs
Gross Trailer Weight	9500 lbs
Generator Model	GL7000-USA-TM
Generator Power	7KW
Operating Voltage	220V AC
Max Operating Current	24A
Fuel	Diesel
Fuel Capacity	7.5 GAL
Run Time (Min Load)	48 HR
Max Hydraulic Pressure	2500 psi
Hydraulic Reservoir Capacity	10 GAL
Max Wind Speed (outriggers deployed)	40 mph
A/C Unit Model	AJEQ12-DCF
Tire Size	ST235/80-R16
Max Tire Pressure	80 psi

FEATURES:

- Climate Controlled Cab
- Fully raised tower in under 4 minutes
- Unobstructed 360 degree view
- 20 ft seated viewing vantage
- Spring assisted 9 ft camera mast allowing mounting of thermal and day Pan-Tilt-Zoom (PTZ) cameras
- Low vibration 7 kilowatt generator power pack which allows surveillance for 48 continuous hours
- Deployable wind speed indicator
- Dual white and red light modes to allow optimal surveillance conditions in day or night

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