Aerostat-Based Maritime Surveillance Capabilities

DDIS tethered aerostats are used to monitor waterways and coastlines for long-duration maritime surveillance operations. With our equipment, we can provide aerial "eye-in-the-sky" monitoring from heights between 10'-1500'. These mobile platforms can be rapidly deployed and can stay aloft for an extended duration over any body of water. DDIS's proprietary launch vehicles and staff can deploy multiple aerostats together to monitor large areas, such as harbors. Using laser and GPS devices to locate the balloon's position, DDIS can accurately position aerostats to monitor highly trafficked areas and flow patterns, while the Command and Control trailer staff can monitor live footage from a safe remote location.

DDIS Aerostat balloon platforms are capable of carrying high-tech cameras, and numerous other data-gathering devices, such as Radar, Multi-Spectral Camera Array (oil spill detection), Gunshot Detection and Location Systems, HD Video and Photographic Equipment, Infrared FLIR camera, Radio Transceiver, Communications Repeater, FAA Lights, Radiation Detection Equipment, and air pollution and plume sensors.

Capabilities:

- Rapid deployment and recovery aerostat system
- Rapid identification and classification of possible threats
- Increased efficiency and surveillance coverage area
- Modular and Scalable Design
- Mobile design lofts from any marine or land-based vehicles
- Low Cost and environmentally friendly
- Low-altitude, long-duration surveillance
- lofting capabilities of numerous payloads
- Live downlink
- Launch trailer doubles as system control center