



Easily Transportable and Rapid Deployable Aeros 1170 Tethered Aerostat System

The **Aeros 1170 tethered Aerostat** is a reliable multifunctional stable platform with military and commercial applications. As Homeland Security is a vital aspect of our nation there are many reasons to consider an aerostat for over the horizon detection of aircraft, UAVs, helicopters and elusive rogue cruise missiles. The aerostat can provide a high altitude communication relay system with extended capabilities. The aerostat will enhance the Nation's Border and Harbor Patrol, Sensitive Site Surveillance as well as Assisting to Survey and Direct Areas Affected by natural or man-made disasters.

Capable Platform

The Aeros 1170 aerostat is capable of carrying optical video and infrared thermal sensor cameras. EO/FLIR optical systems set new standards for range, performance, stability and image quality.

The suggested payload options can include EO/FLIR Systems, SAR Radar, Hyper-spectral Sensors and Biological Agent Sensing Devices. The Military package consists of Radio Re-Transmitters, Com Jamming, Com Intelligence, and Signal Intelligence.

Aeros 1170 Aerostat

- ✓ Intelligent Flight Termination System
- ✓ Active Flight Management
- ✓ IP Monitor/Control Airborne Network
- ✓ Advanced Envelope Technology
- ✓ Pitch Control
- ✓ Modular Design
- ✓ C130 Ready to Deploy Mooring System
(the mooring system is designed to fit the C130 airplane)
- ✓ Robotic Ground Base
- ✓ Smart Pressure Management System



Specifications:

Aerostat Length	25 M / 82 Ft
Aerostat Envelope Diameter, Max	10.5 M / 34.5 Ft
Operational Altitude	1,200 M / 3,937 Ft
Payload @ Operational Altitude	91 Kg / 200 Lbs
Max Sustained Operating Wind	40 Knots
Max Moored Wind	70 Knots
Duration w/o Service Recovery	8 Days

