



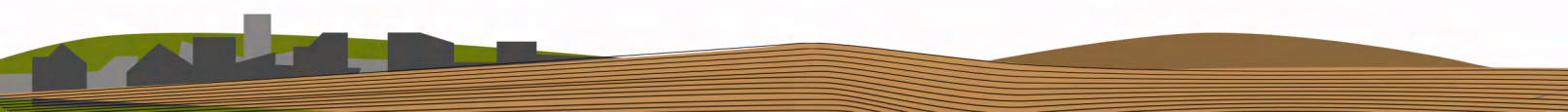
SKYSTAR 180

The Skystar 180 tactical aerostat system enables continuous day and night operations at 1,000 feet. It enables high quality information gathering and accurate target allocation, utilizing gyro stabilized payloads and GPS/INS navigation. The downlink video and interactive digital map are displayed in real-time at the system's ground control station. The system is highly mobile and rapidly deployed.



SKYSTAR 180 FEATURES

- Rapid transportation and deployment
- 360° stabilized observation coverage
- Day/Night/Laser gyro stabilized payload
- Interface with C⁴I systems
- Easy to operate
- The entire system is based on a towable trailer
- Low operation and maintenance costs
- Full digital recording of mission video and data
- Operational under harsh weather conditions, and strong winds
- Ideal for military, homeland and law enforcement security operations





SKYSTAR 180 SYSTEM DESCRIPTION

Rapid Deployment

The entire mooring system is based on a towable trailer. On location, deployment takes only 20 minutes to achieve full situational coverage. No preliminary terrain preparations are required.

Persistent Surveillance

Once airborne, the system can stay at 1,000 feet up to 72 hours. It is then brought down for a 20-minute helium refill, and is ready to return to the surveillance altitude.

Accurate Location and Targeting

The high accuracy of the system is achieved by the advanced avionic system installed onboard the airborne package. It combines GPS/INS navigation that pinpoints targets on the video display of the ground control station. Target coordinates can be used directly by the relevant task forces, in the field, or transmitted to additional forces via existing networks.

High-End Payloads

The system can carry any type of payload, up to 18 kg. Typically, the Skystar 180 is fitted with a unique 3-axis stabilized Day (color) / Night (IR) payload with continuous zoom in both channels and an optional laser designator.

Simple Operation and Maintenance

Only 2 personnel are needed to fully maintain the system. A single operator is required for the routine ISR operation. Training time is no more than 5 days, due to the easy maintenance and user friendly operation and control modes.

Operationally Proven

The Skystar 180 is operational with homeland security and military forces around the world. It has a proven record of performing efficient missions while demonstrating outstanding reliability and cost effectiveness.

Parameter	Specification
Aerostat diameter	19.5 ft (6 m)
Operating Altitude	up to 1000 ft (300 m)
Wind limit	40 knots
Payload weight	Up to 18 kg
Turn Around Times	20 min
Endurance	Up to 72 hours