Aeronautics

SKYSTAR 300

The Skystar 300 tactical aerostat system enables continuous day and night ISR operations at 1,000 feet. The system is highly mobile and rapidly deployed. It provides high quality information gathering and accurate target allocation utilzing tri-sensor gyro stabilized payloads and GPS/INS navigation. The downlink video and interactive digital map are displayed in real time at the ground control station.

SKYSTAR 300 FEATURES

- Precise location of payload footprint and targets on a digital map
- 360° stabilized observation coverage
- Unique 3-axis stabilized aerostat payload
- Day/Night/Laser gyro stabilized payload
- Interface with C^{4}I systems
- Easy to operate

- Entire system packed and transported on towable trailer or trucked on container-sized platform
- Low maintenance and operation costs
- Full digital recording of mission video and data
- Operational under harsh weather conditions, and strong winds
- Ideal for military and homeland security operations

SKYSTAR 300 SYSTEM DESCRIPTION

Rapid Deployment

The entire system is packed and transported on a towable trailer or trucked on a container-sized platform. On location, deployment takes only 20 minutes to have full situational coverage.

Persistent Surveillance

Once airborne, the system can stay at 1,000 feet up to 72 hours. It is then brought down for a 10-minute helium refill and is ready to return to surveillance altitude.

High-End Payloads

The system can carry any payload up to 30 kg.
Typically, the Skystar-300 is fitted with a unique 3-axis stabilized Day (color) / Night (IR) payload with continuous zoom in both channels and an optional laser rangefinder.

Accurate Location and Targeting

The high accuracy of the system comes from the advanced avionics installed onboard the airborne package. It combines GPS/INS navigation that pinpoints targets as seen in video on a GIS digital map display in the ground control station. Target coordinates are directly stored and transmitted to the relevant task force via any existing C^4I network.

Simple Operation and Maintenance

Only 3 personnel are needed in order to fully maintain the system. One alone is required for the routine ISR operation. Training time is no more than 2 weeks, due to the easy maintnance and user friendly operation modes.

Operationally Proven

The Skystar 300 is operational with homeland security and military forces around the world. It has a proven record of performing efficient ISR missions while demonstrating outstanding relliability and cost effectiveness.