



SKYSTAR 180

The Skystar 180 tactical aerostat system enables continuous day and night ISR operations at 600 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.

MAIN 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

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.

RAPID DEPLOYMENT

The entire mooring system is based on a towable trailer. On location, deployment takes only 30 minutes to achieve full situational coverage. No preliminary terrain preparations are required.

PERSISTENT SURVEILLANCE

Once airborne, the system can stay at 600 feet up to 72 hours. It is then brought down for a 30-minute helium fill, and is ready to return to the surveillance altitude.

HIGH-END PAYLOADS

The system can carry any type of payload, up to 5 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 3 personnel are needed to fully maintain the system. A single operator is required for the routine ISR operation. Training time is no more than 2 weeks, 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 ISR missions while demonstrating outstanding reliability and cost effectiveness.

Who We Are

Heading an industry group focused on unmanned solutions, systems and subsystems, CP Aeronautics provides integrated turnkey solutions based on unmanned systems platforms, payloads and communications for defense and civil applications. Designed as leading-edge UAS-based solutions, CP Aeronautics' systems offer operationally proven solutions for Intelligence, Surveillance and Reconnaissance (ISR) systems requirements. As a pioneer in the field of unmanned aerial systems, CP Aeronautics broad product portfolio has demonstrated excellent performance and operability.

Backed by continuous research and development, these systems are built on three decades of technological and operational experience.

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