Surveillance Trailer Systems (STS)

Trailer-mounted Optical Surveillance (STOS) system
Trailer-mounted Optical and Radar Surveillance (STORS) system

SAIC has developed a series of surveillance trailer systems (STS) designed for both maritime and land surveillance and security applications. The surveillance systems are installed on various mast systems mounted on rugged, heavy-duty leveled and stabilized trailers.

The surveillance trailer systems utilize rugged, proven trailers with locking pneumatic mast systems in order to deploy various payloads designed to meet customer-specific surveillance requirements. Thermal and visual camera images are integrated (or used as stand-alone) with land or sea based radar systems to provide advanced surveillance and security solutions.

**Key Features**
- Dual pan and tilt platforms
- Color day/night video camera with electronic image stabilization
- Infrared thermal or infrared illuminated camera
- Rugged, heavy-duty leveled and stabilized trailer

**Key Characteristics**
- Designed for both maritime and land surveillance
- Laptop computer display or remote wireless command center
- Multiple trailers controlled by a single C2 center
Features

SAIC surveillance trailer systems can be utilized as stand-alone locally operated surveillance systems or they can be integrated wirelessly into an array of surveillance trailers providing sensor data to and controlled by a central command and control center. Optional additional features include a weather station, multiple day image data storage capacity, long range enhanced cameras, enhanced radar, and automated target detection and tracking with video or infrared. STS sensor systems can be powered either by an onboard power system or by the local power grid maximizing deployable locations.

SAIC’s surveillance trailers have been used by local government agencies to provide temporary surveillance coverage during events requiring increased security. They have also been utilized to provide temporary remote surveillance in areas with a high incidence of theft.

Larger government agencies have developed strategies to utilize data from multiple surveillance trailer systems integrated with a central command and control center. The STSs provide the remote sensor data wirelessly to these command and control centers.

Trailer-mounted Optical Surveillance (STOS) system

STOS is designed for both maritime and land surveillance. It has the capability for autonomous operations or control from a central command facility. The optical surveillance systems are installed on a computer-controlled pan and tilt with telescopic mast mounted on a rugged heavy-duty leveled and stabilized trailer. All devices are fully operated by means of either a local laptop option, or remotely from a command center via wireless link. Trailer operations are powered by either a self-contained generator or local power grid via an uninterruptible power supply (UPS).

Trailer-mounted Optical and Radar Surveillance (STORS) system

Like STOS, STORS is designed for both maritime and land surveillance. The STORS version of STS has an integrated land or sea-based radar system. The system can incorporate inputs from various other sensor systems into a laptop co-located with the trailer or displayed at a remote command and control center. Radar track and video slew-to-cue functionality can be incorporated into the laptop computer-controlled functionality of the camera and radar systems. Data from other sensors such as automated identification systems (AIS) or other STORS platforms can be sent to the command and control center via a wireless data link providing simultaneous remote control of multiple sensor systems.

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