



An ASSIST-U.S.® Product

EnviroEyeSM – For a Clear and Immediate View of the Environment

Overview

EnviroEyeSM is a complete environmental surveillance, evaluation, and documentation system. By employing our state-of-the-art, airborne optical sensors, the ASSIST-U.S.®



EnviroEyeSM solution offers dynamic information about any area of environmental concern.

The EnviroEyeSM optical sensors mounted on manned, light aircraft can capture both full motion video

(FMV) and still imagery.

These digital images can be acquired in standard-definition daylight, high-definition daylight, and/or infrared (IR) formats, depending on your detection requirements.



EnviroEyeSM is more than just video or pictures. The imagery that EnviroEyeSM collects comes with comprehensive reporting and analysis that will be tailored to your specific needs.



EnviroEyeSM can be deployed to survey and document known environmental hazards, damage, or other areas of interest or study. No matter how remote or wide an area may be, EnviroEyeSM can effectively

provide a comprehensive visual record in far less time with fewer resources than traditional methods.

In effect, EnviroEyeSM offers decision makers a cost effective way to acquire the information needed to develop a planned response to areas of concern.



EnviroEyeSM can also detect and document previously unknown environmental issues. In just one flight, EnviroEyeSM can locate sources of pollution such as failed septic systems, illegal dumping, and unchecked runoff. EnviroEyeSM can achieve in hours what ground personnel might take weeks or months to accomplish. EnviroEyeSM can also capture details of environmental hazards that are easily overlooked or undetectable by someone on the ground.



EnviroEyeSM Applications

- **Environmental Law Enforcement:**
 - Surveillance and documentation of illegal dumping, fishing, logging, etc.
- **Environmental Damage Assessment:**
 - Storm damage (wind, ice, water)
 - Soil erosion
 - Flooding
 - Forest fires
 - Large spills, including for 33 CFR 154/155 Compliance Support, including
- **Municipal Separate Storm Sewer System (MS4) for EPA - NPDES Phase I & II compliance:**
 - Full system inspection
 - Identification of potential illicit discharge
 - Historical tracking
- **Wildlife Management:**
 - Species census taking, tracking and monitoring
- **Forest Health Surveys:**
 - Deforestation due to insect and fire damage
 - Detection of damage from disease, ice, wind, etc.
- **Monitoring of coastal waters, drinking water supplies, recreational water bodies and wetlands:**
 - Invasive aquatic plant detection
 - Illicit discharges (point & nonpoint source pollution)
 - Aquatic health surveys (eutrophication surveys)

Aerial Surveillance, Security & Intelligence Systems
Technologies-U.S., LLC (ASSIST-U.S.®)





EnviroEyeSM Benefits

EnviroEyeSM costs less and saves time and money compared to traditional methods. The EnviroEyeSM system is highly efficient, mobile, and flexible. With EnviroEyeSM, you receive the required information: customized, timely and formatted for indefinite storage.

- **Fewer hours spent in the field by key personnel for more efficient operations:**
 - Full motion video captures and records everything without the need for observers
 - Use of light aircraft allows for large areas to be completely documented in less time
- **Accurate and lasting records for more effective planning and response:**
 - Archived digital imagery enables indefinite storage and retrieval
- **Airborne electro-optical (daytime) and infrared sensors for detecting and documenting far more than surface inspections:**
 - Thermal changes
 - Illicit discharge flow and expansion
 - Submerged or partially submerged hazards or dumping
 - Shifting underwater channels and sandbars
 - Color changes of large areas of forest, grasslands, or water
- **Real-time, on-scene, three-dimensional imagery for environmental disaster:**
 - Faster, more accurate inspections facilitate timely environmental law enforcement
 - Added realism enhances environmental disaster exercises (federal/state/local)

Contact us for more information on how the ASSIST-U.S. team can address your environmental monitoring needs with our aerial full motion video imagery services and to schedule an initial mission planning session.



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