

# ATNIS 215x



- Compact Portable Surveillance
- Law Enforcement Quality Data
- Actionable Intelligence

## Video Based Compact Portable Aircraft Surveillance

### AIRCRAFT TAIL NUMBER IDENTIFICATION SYSTEM 215x

- ▶ Can be setup & deployed in minutes anywhere in the world for covert and non-covert applications.
- ▶ Multiple connectivity options to monitor events and connect to the Central Surveillance Database (CSD).
- ▶ TTI has worked directly with Department of Homeland Security (DHS) for 5 years as a valued partner.

### FUNCTIONALITY

- Passive Infrared (PIR) and Optical Sensors detect Target Motion and turn on system functions.
- ATNIS Optically Detects and Categorizes targets as Aircraft, Vehicle, Person or Animal.
- Software analysis determines Target Features and Identifies Aircraft by Registration Number.
- Global Positioning System (GPS) and Compass data are used to locate Target and Heading.
- Interactive Maps and Directional Switch are used to indicate Aircraft Take-off or Landing.
- Video and Metadata are stored locally and uploaded to the Central Surveillance Database (CSD).
- CSD calculates a Confidence Value and assigns the Target a Percent Probability of Correctness (PPC)
- CSD checks Aircraft ID against public databases and compares Aircraft Features in CSD database.
- System checks are made to determine if Aircraft ID or Features are on Watch List Alert status.
- Alert Responses are sent via email and on-screen notification based on user PPC threshold.
- All Aircraft Targets with a PPC value less than 98% are manually processed by trained personnel.

### BENEFITS

- Provides operators 2-D and tabular views of data for real-time shared situational awareness.
- Battery power and connectivity options allow quick deployment anywhere in the world.
- Secure Web Services Architecture enables simultaneous viewers from any location.
- System has passed Vulnerability Assessment testing by Department of Homeland Security (DHS).
- Provides Actionable Intelligence and Law Enforcement quality data - DHS approved.
- Provides Intelligence Data to Airports & Law Enforcement in support of National Security.
- Turnkey Development, Manufacturing, Sales, Training, Support, Maintenance and Managed Services.

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**//** Within the first two months of using ATNIS, we were able to identify and locate a suspect aircraft and are now able to continue to monitor and track it's movements."

-Will Lamont, a Multi-Agency Drug Task Force

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Telecommunications Technology, Inc. • 1784 Heritage Center Drive, Suite 204 • Wake Forest, North Carolina 27587

919.556.7100 • sales@ttiwaspc.com • www.ttiwaspc.com