

Touch[™]

DAS Graphical Command and Control Software

Monitoring and control of Distributed Acoustic Sensing systems providing the exact location of an intruder.



Features

- Dynamic Map (GIS-based)
- Reporting
- Alarm Classifications
- Tuning and Calibration

EchoPoint[™] is an acoustic sensor that detects and classifies the effects caused by activities creating mechanical waves (vibrations) in fiber optic cable routed along the line being monitored. The **Touch[™]** Graphical User Interface (GUI) presents the events and alarms related to these activities to the user. These alarms provide the user information about unauthorized activities occurring in areas that require perimeter/border security, facility security, pipeline security, etc. **Touch** is included, installed, and ready for configuration and alarm monitoring with the **EchoPoint** systems.

The processor presents **Touch** as a web page that can be viewed by any modern browser on the same network. More than one instance can be run simultaneously. This functionality increases the flexibility of the system. **Touch** continuously and dynamically monitors the status of the sensor. The operator will be notified of any problems and highlight what and where the issues are occurring. The sensor cable signal is always displayed. Changes made by the operator are logged, as are alarms, events, and errors.

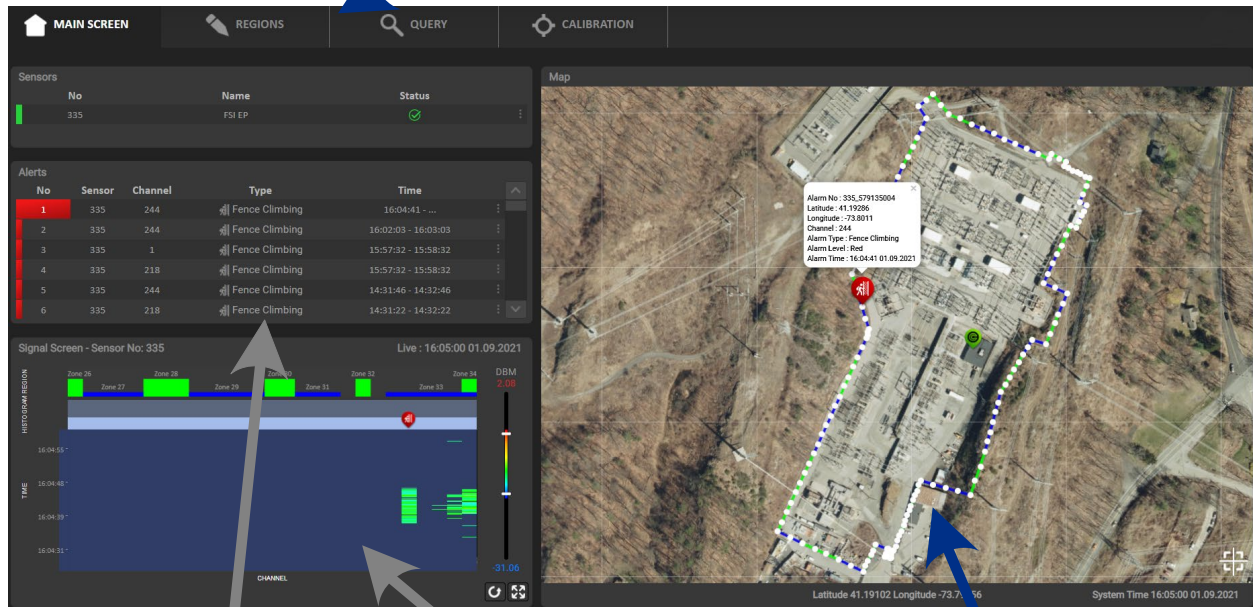
There are various ways to integrate **Touch** with other systems. Several high-level interfaces have already been implemented. These include some of the most popular Video Management Systems (VMS), such as Milestone[™] and Genetec[™]. A powerful Application Programmable Interface (API) allows the creation of interfaces for systems not yet supported or when custom features might be needed. Dry relay contact outputs are supported, allowing any legacy system to be the interface.

Cut-tolerant configurations can be set up through this interface. To have a cut-tolerant system, you must have two channels, each with its own core or cable. One channel will run clockwise around the perimeter while the other will run counterclockwise. A single cable cut to the cable will result in no detection loss to the sensor.

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MAIN USER SCREEN

Quick Access Modules



Rolling Event Log/ Classification Indicator

Waterfall Signal Display

Scalable Map

Rolling Event Log/Classification Indicator: Provides a real-time list of time- and date-stamped events with locations and classifications. The classification will identify what caused the alarm, for example, climbs, cuts, shovel digs, vehicles, etc.

Waterfall Signal Display: Provides a quick graphical representation of activities along the perimeter. The operator can see locations, time, and energy of the disturbance.

Scalable Map Display: Provides an interactive map that displays real-time events. This map will display intrusions to the exact location. In addition, classification icons pop up to provide additional situational awareness.

Additional Modules:

Regions: Manage regions of varying sensitivity and intrusion type to include fence climbing, cutting, digging or other classification.

Query: Access the database to get information and reports.

Calibration: Synchronize the system settings with a map location utilizing GPS coordinates.

Relay Mapping: IP-based relays are used to provide dry relay output for the creation of virtual zones.

A separate module controls and monitors the optional relay output ensuring universal interfacing with almost any system to include video management system or access control systems.

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