



Fence mounted cable

Low cost

Quick and Easy to Install

Digital Signal Processing

High Probability of Detection

Independent Detection of Fence Cutting and Climbing

Adaptive Algorithms virtually eliminate environmental nuisance alarms

Immune to EMI and RFI

Audio "Listen-In" Capability

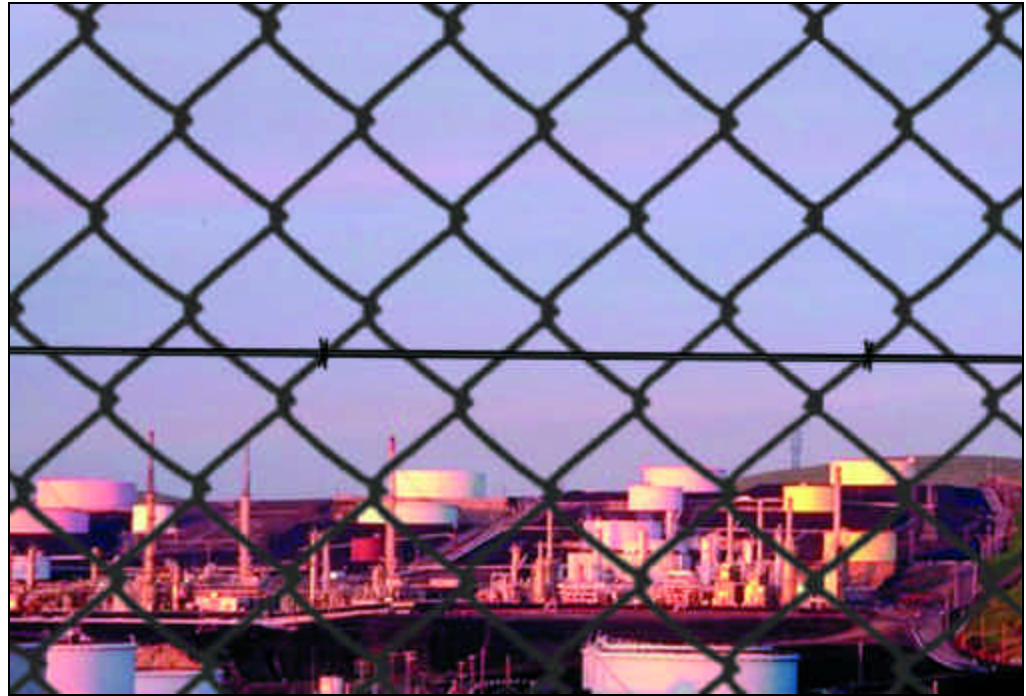
Available in Standalone and Network Versions

Color graphic display for the network version

Remote adjustment of all parameters in each zone using the Intelli-FLEX Sennet® Central Controller

Intelli-FLEX

Microphonic Cable Fence Disturbance Sensor



Intelli-FLEX™ is a unique microphonic intrusion detection system for outdoor, fence-mounted perimeter security applications. Utilizing signals generated by the minute flexing of a proprietary triboelectric coaxial sensor cable, specific characteristic intrusion signatures are analyzed by a powerful digital Signal Processor. Intelli-FLEX will detect an intruder cutting through, climbing on or lifting the fence fabric.

Installation is quick and simple. Inexpensive UV-resistant tie wraps secure the sensor cable to the fence at 30 cm (1.0 ft.) intervals. The Intelli-FLEX Signal Processor can monitor two independent zones each with a maximum of 305 m (1,000 ft.) of sensor cable.

A programmable microprocessor enables the user to set the operating parameters for each zone using a simple plug-in Configuration Module. Separate parameters are set for cut and climb detection, resulting in independent alarm processing to optimize detection and minimize false alarms. Since the coaxial sensor cable is microphonic, an optional plug-in audio module enables the user to "listen-in"

to the fence activity. This feature provides an additional low-cost tool for assessing the nature of an intrusion attempt.

Intelli-FLEX's unique signal processing incorporates a set of non-volatile programs called Adaptive Algorithms. This adjustable firmware allows features such as Ambient Compensation and Common Mode Rejection to interpret the nature of the disturbance, virtually eliminating alarms caused by natural or environmental events. An optional weather sensor is available to provide each Signal Processor with independent verification of the current weather conditions affecting its performance. Intelli-FLEX will adapt to these conditions without sacrificing detection sensitivity.

The Intelli-FLEX Signal Processor is available with either an output relay interface or a built-in multiplex circuit interface to a variety of alarm monitoring systems. With Senstar-Stellar's Intelli-FLEX Sennet Central Controller, it is possible to process all alarms on a color graphic display and to adjust all parameters for each zone remotely from the comfort of the central station.

Senstar  Stellar