Fiber Optic Perimeter Intrusion Detection System
HANVY Fiber Optic Perimeter Intrusion Detection System

The system mainly applied for detection, localization and classification of targets of interest versus false or nuisance activity.

It detects tiny vibration based on laser interference, analysis whether there is a intrusion through technology of digital signals processing. Attach the fiber cable to the wire mesh, wall or bury under soil for detecting multiple intrusions.

Specialized in long distance perimeter security territory, max detection distance of single device can reach to 100km.

Compare to other perimeter security solution, Its most obvious advantage is that it does not need outdoor electricity, and the fiber optic cable itself is free from electromagnetic interference/RF interference or lightning. It is safe in explosive environment. Beside, The system can also locate multiple simultaneous intrusions along the fiber line in real time and accurately.

HANVY technology is based on 30 years data base research and accumulating, able to identify more than 300,000+ vibration pattern and signal feature of objects. Accurately filter out wind, rain, small animal external disturbance etc. Low false alarm rate.

USER INTERFACE

Operator’s application enables display, recording, playback and event logging features. A dedicated Technician’s application provides the necessary tools for system installation and calibration purposes.
FUNCTIONS

1. Intrusion Alarm
   Full time all weather continuous perimeter intrusion detection, determine the intrusion behavior after the start of sound and light alarm

2. Alarm location
   Accurately locate the intrusion location and alarm multiple accidents at the same time

3. Video linkage
   Integrated alarm system and video monitoring system to retain video and image information

4. Emergency treatment
   Automatically display the management partition information, including the management personnel information of the area and corresponding treatment measures

Unique Distributed Vibration Sensor (DVS) System
Detect, Locate and Classify Vibrations Caused by Physical Activity
Frequency Response and Location Resolution/Accuracy Doesn’t Decrease with Distance
SPECIFICATIONS

Sensor length........................................................................................................Up to 100km
Sensor type........................................................................................................Single-mode fiber optic cable
Alarm type..........................................................................................................Intrusion, throw over, touch, damage
Positional accuracy............................................................................................1±5m
Response time.....................................................................................................1—3s
Pattern recognition type......................................................................................Personnel, meteorology, animal, vehicle, construction, vandalism, etc.

ABOUT HANVY

HANVY Industrial Co., Ltd. is rely on XINDA’s advanced technology, specialized in fiber optic perimeter intrusion detection system. There are more than 10 expert professors, doctors and masters with rich experience in scientific research and engineering in our R&D team. Our technology is in the leading position in the territory of China Sensor testing, engineering measurement, wireless network, information platform, intelligent processing, etc. We have provided our perimeter security solution for over 60% of China critical infrastructure.