MiFIDS

Fire Detection System for Small or Private Properties

Flame detection

Smoke detection

Real-time notification through SMS and e-mail

Description

The Meleagros intelligent Fire Detection System (MiFIDS) supervises indoor and outdoor private areas, either residential or land properties, for fire occurrence. Fire detection is implemented with flame and smoke detection algorithms applied to the stream of an IP camera. The system, composed of a unit deployed in your area and a server hosted by Mobics, informs the owner with SMS and e-mail about potential risks.

MiFIDS can be deployed with most of the commercial IP camera, or be integrated with existing CCTV systems.

Use cases

Outdoor Infrastructure

Cottage

Heritage

Grove

More info: www.mobics.gr

Features

- "24/7 on" robust infrastructure (disconnected operation)
The primary connection method of MiFIDS to the Internet is an aDSL modem/router. The system also incorporates a GPRS/ 3G modem for connecting to the Internet in case of disconnections of the primary connection.

- Adaptive algorithms and adjustable sensitivity for false alarm elimination
The sensitivity of the system, which affects the rate of false alarms, is user-adjusted. To overcome false alarms MiFIDS applies dynamic event filtering prior to user alerting. According to user feedback, the algorithms adapt the detection process in order to eliminate false alarms (e.g. smoke from a chimney).

- Local and remote alerting mechanisms
MiFIDS implements two alerting mechanisms, local and remote. When a fire incident occurs, MiFIDS, according to its setup, can trigger a local alarm (siren) and alert the user through SMS and e-mail.

- Easy deployment and setup
An easy setup wizard as well as its comprehensive manual enable any user without IT expertise to deploy the MiFIDS in his/her property. It is as simple as configuring a DSL modem!

- Live video or snapshots from the monitored area
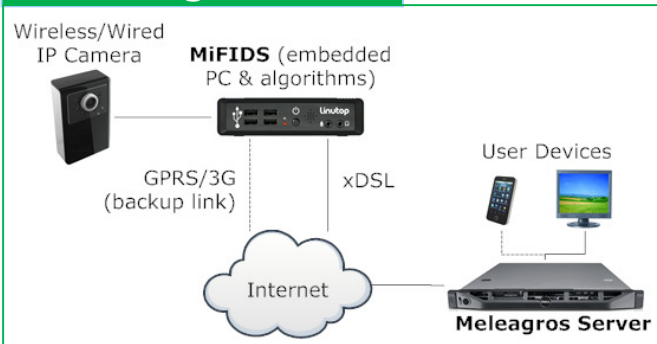User can check (in real-time) the supervised area through live video or snapshots.

- Mobile-friendly user interface for alerts and snapshots
Upon an alert, the user is directed to a web page (accessible also from smart phones) that includes all the information regarding the alert (image, time, etc.).

- System health monitoring
Remote monitoring of system operation through heartbeat mechanism and self-testing operations

Diagram

Benefits

- Not another video recording systems
- Early detection of a potential fire based on state-of-the-art algorithms
- Reduced number of false alarms due to training
- Continuous support and updates of detection algorithms
- Integration with existing infrastructure (CCTV)
- Support for multiple cameras
- Works with almost any commercial IP camera
- Mobile control of siren

Specifications

Power Supply : 220V AC

Camera Requirements : Colour Camera, IP connection (wired or wireless), 25 FPS (min.), 640x480 (min. resolution)

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