Fire and Smoke Detection

Our system performs Fire and Smoke detection on CCTV/ video feeds. Our system fulfills the requirement of early-warning fire detection at lower cost, as compared to the traditional sensor based systems. If any fire and smoke event happens in the video, the system will detect its presence and do immediate reporting. The system uses latest AI/ML algorithms for video processing.

Features

- Processes (CCTV) video feeds and reports any Fire and Smoke event.
- Key frames having fire or smoke are saved for future reference.
- Multiple cameras processing supported in real time.
- Uses state of the art AI/ML algorithms for video processing.
- Web APIs available for integration to existing systems.
- Web portal available to monitor the processed video feeds.
- User's privacy (in camera's view) protected.

Target Users

Law Enforcement Agencies / Manufacturing plants & Petroleum Refineries / Shopping Malls / Public places.

Potential Applications

Commercial and residential Buildings.

Street and public places.

Areas prone to fire accidents.

System Requirements

- Intel Core i5, 8th Generation equivalent or higher
- RAM: Min. requirement is 16 GB
- Min. requirement is 1TB HDD
- Graphics card / GPU Processor(NVIDIA recommended)
- OS: Linux Ubuntu 18.04 and higher
- CCTV Camera(min. Resolution 2MP recommended)
- High speed internet connection to camera and server.

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