NovoSun

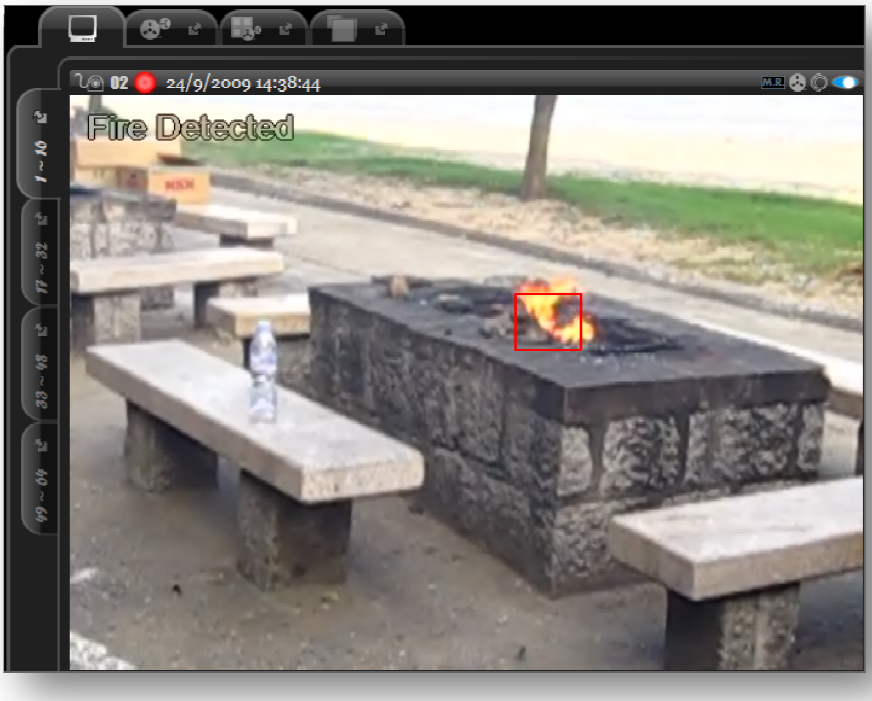
Fire/Smoke Detector

User's Manual

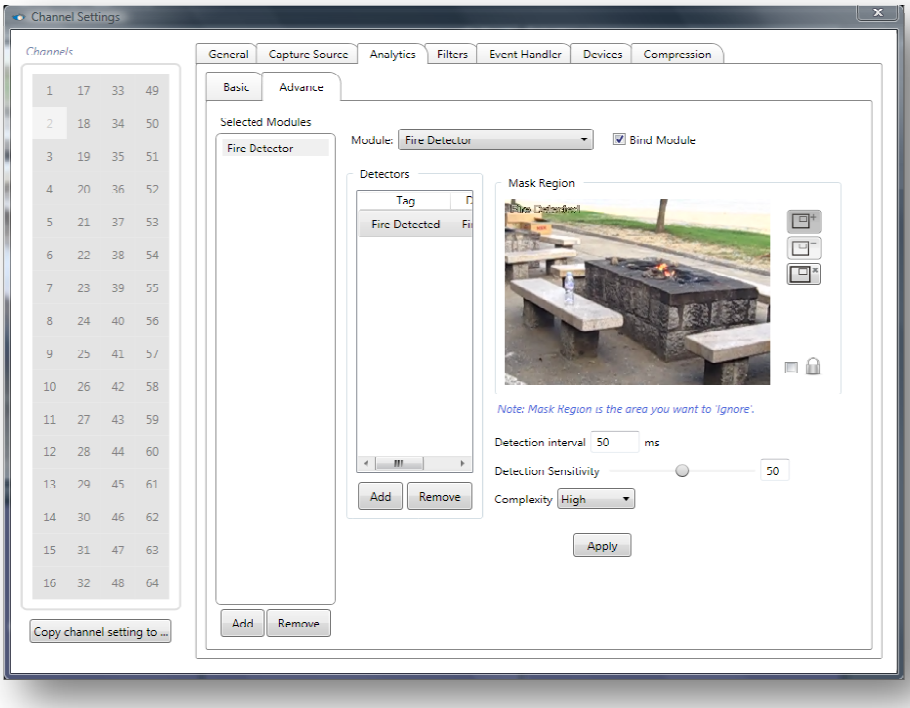
1.Fire Detector

Fire accidents always lead to the damage of the social property and even loss of human life. Thus fire prevention is one of the most important segments of the community security.

NovoSun's Fire Detector module is based on video content analysis technology and it provides fire detect solution without limitation on the site: no matter indoor and outdoor. By deploying the Fire Detector module, it provides an alarm when fire is detected.



Add the "Fire Detector" module under "analytics" tab, you should see the following dialog:

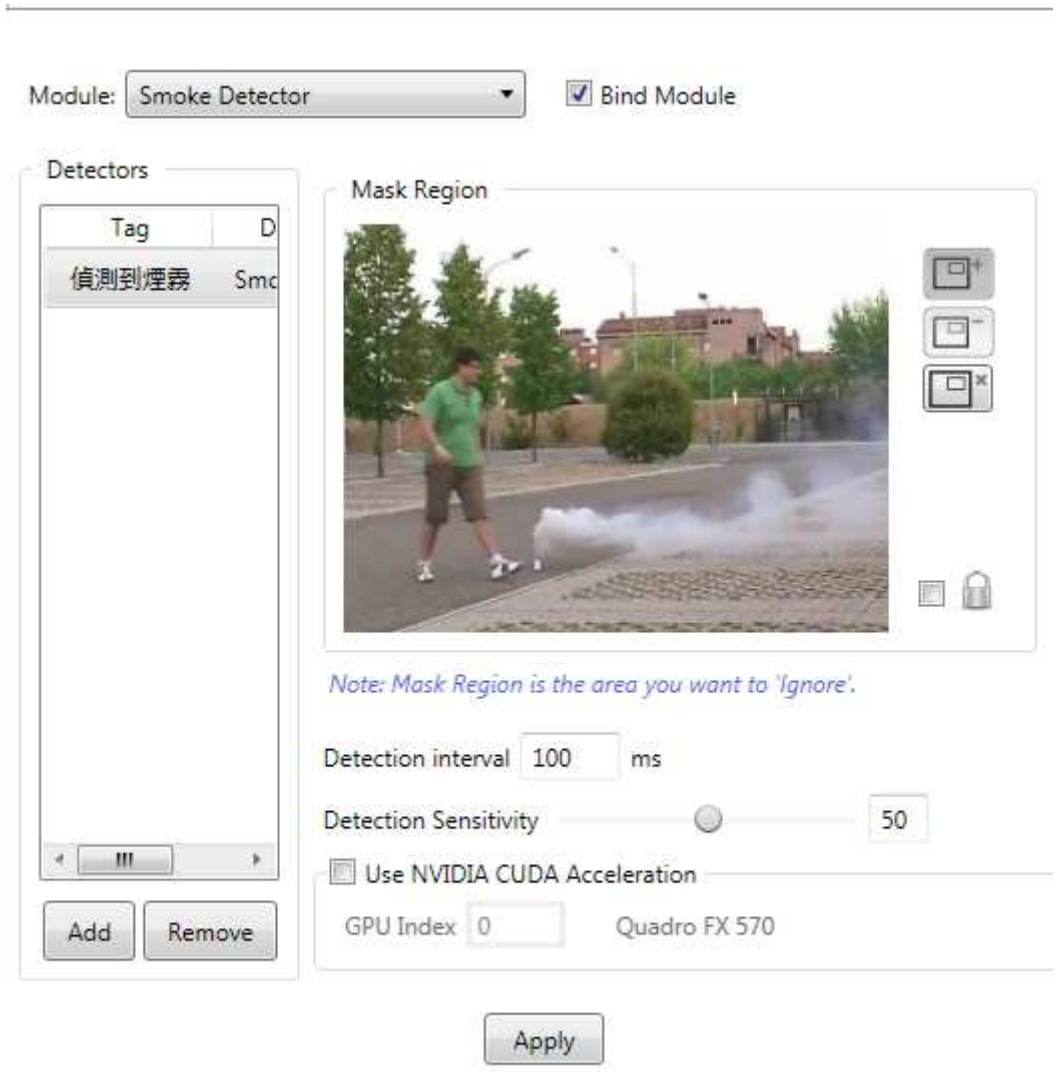


- **Detection Interval** – the interval between any 2 frames the tracker to process. Lower value would produce positive effect on accuracy but consumes more computation time.
- **Detection Sensitivity** – to set the sensitivity to video content changes. Please note that this value should be properly set according to your environment. A high value does NOT mean to produce better result.
- **Complexity** – to set the computing complexity level of the detector. Higher level results in higher accuracy but consumes more computing resources.

2.Smoke Detector

This module provides an alarm when smoke is detected.

Add the “Smoke Detector” under “Analytics” tab, you should see the following dialog:



- **Detection Interval** – the interval between any 2 frames the tracker to process. Lower value would produce positive effect on accuracy but consumes more computation time.
- **Detection Sensitivity** – to set the sensitivity to video content changes. Please note that this value should be properly set according to your environment. A high value does NOT mean to produce better result.

- **Use NVIDIA CUDA Acceleration** – configure whether to offload computation to NVIDIA Graphic card.