

**Fire Source Detection Introduction**

HIKVISION SUPPORT TEAM

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## **Fire Detection Introduction**

**Advantage:**

Everything (temperature above absolute zero -273℃) in nature has the thermal radiation. The thermal camera can detect abnormal temperature to find the potential fire point.

**Theory:**

Fire detection function includes potential fire point selection and fire source recognition. First, the camera needs to get the gray value of the background and calculate the threshold of fire source. Then algorithm will analyse which area could be the fire source.

While detect the potential fire source, algorithm will use morphological analysis to make sure it’s fire point or other high temperature object for second check. At last, the result will tell it’s the fire point or not.

This kind of analysis will reduce the false alarm rate.

## **How to use Dynamic Fire Source Detection**

For more details, please refer to how to document.

## 

## **Application Scenario**

**Only use fire detection function**

Suitable for fire disaster prevention

