

# Smoke & Fire Detection

## Product Specification



### Product Description

Smoke & Fire Detection video analytics make it possible to detect smoke and fire in critical environments at a very early stage. In cases where traditional detection technologies fail, vCloud.ai video analytic is a reliable, failsafe solution to protect people, property and production process.

### Smoke & Fire Detection Features

- Early fire detection
- Identification of signs of smoke and fire at industrial sites
- Rapid response to the extreme situations
- Smoke size for detection minimum: 60x50 px (WxH), recommended: 100x60 px (WxH) (resolution camera 2MPx)
- Fire size for detection minimum: 30x40 px (WxH), recommended: 100x60 px (WxH) (resolution camera 2MPx)

## General information

Supported Operating Systems	Linux / Windows
Supported Platform	x86_64 / Jetson
Supported Hardware Acceleration	Intel OpenVINO / NVIDIA TensorRT
Supported Database	MySQL / PostgreSQL / MS SQL / Oracle

## Interface

Camera stream protocol	RTSP / HTTP / HTTPS / ONVIF
Recorded video formats	MKV; MP4; ASF; AVI; MJPEG
Supported codecs	MPEG-4; MJPEG; H.264; H.265
Output formats	JSON / XML / CSV

## Main functionality

Centralized Management	+
Finding and navigating the vehicle route	+
Real-time alarms	+
Integration with Microsoft Power BI, Google Data Studio, and others	+
Unlimited lists support	+
Notification settings: internal alarm, by Email / SMS / HTTP / Telegram	+
REST API	+
Database import (CSV) and export support (EXCEL / PDF / CSV / JSON)	+
Integrated business logic builder	+
Support for various interface languages	+

## VMS Integration

Event based integration	CluebaseVMS, Luxriot Evo, Milestone XProtect, Nx Meta, and other
Plugins integration	Luxriot Evo, Milestone XProtect, Nx Meta

## Security Features

Active Directory / LDAP	+
Groups and roles support	+
Encryption of all packages	+