



Flame & Smoke Detection

INCLUDED IN
Autonomous365.ai
through AI Suite

Model Compute Requirements

Autonomous Gate Guard (LPR)
 One Camera at 5 Frames per Second

MINIMUM REQUIREMENTS

CPU - 3 Cores
 GPU - 1700MB of VRAM
 RAM - 4000MB

What is Fire & Smoke Detection?

Every facility runs a risk of catching on fire, the flame and smoke model is used to catch these potentially catastrophic events and provide immediate remediation.

Do I need to monitor the camera?

No. Like all CleanConnect.ai machine models, its designed to work autonomously. Our motto is "let the AI do the work," that way no one needs to be dedicated to stare at security monitors—ever!

What camera is required?

The flame and smoke model uses a high-definition (4k) camera most of the time a 360-degree of coverage. The camera has 4-sensors, letting us see an entire site at once without needing to pan-tilt.

Detects Flame

We use our high-definition optical camera to continuously monitor for flames.

Detects Smoke

The AI machine model automatically detects smoke moving through the atmosphere.

Measure Intensity & Opacity

Our models are constantly improving. We are adding more functional data outputs like flame intensity and smoke opacity for regulatory reporting.

Flag & Record

As with all our machine models, we automatically record the event and send it to your SCADA system & custom alert dashboards