



# Araani® Fire Guard

## Intelligent video fire monitoring smoke & flame

### Enhance your security cameras with intelligent software that warns you of smoke and flame

As a security specialist, you want to protect your facility or infrastructure as much as possible. With the intelligent Araani Fire Guard software for Axis cameras, you can enhance your security camera network by allowing it to recognize fire outbreaks in the earliest stage. Although Araani Fire Guard does not replace a certified detection solution\*, it can be used in situations where there is no obligation for fire detection or where there is already detection in place but you nevertheless want to have an earlier warning. An Axis camera enhanced with Araani Fire Guard is your best guarantee to be ahead of the fire and to prevent worse from happening.

- Flame recognition
- Smoke recognition
- Configurable sensitivity
- Configurable detection zones
- Burnt-in metadata overlay
- Alarm event control

# Araani® Fire Guard

## Technical specification

### Functional specification

<b>Type</b>	<p>Smoke monitoring.</p> <ul style="list-style-type: none"> <li>• Recognizes smoke clouds.</li> </ul> <p>Flame monitoring.</p> <ul style="list-style-type: none"> <li>• Recognizes flames based on colour, brightness, and motion.</li> </ul>
<b>Event types</b>	<p>Araani Fire Guard can generate following mutual exclusive events:</p> <ul style="list-style-type: none"> <li>• FIRE ALARM = smoke or flame.</li> <li>• SMOKE ALARM = smoke detected</li> <li>• FLAME ALARM = flame detected</li> <li>• FAULT SIGNAL = invalid light conditions; only smoke monitoring is not working.</li> <li>• OPERATIONAL SIGNAL = normal condition.</li> <li>• RECALIBRATING = learning background.</li> </ul>
<b>Reliability</b>	<p>Araani Fire Guard has built-in self-monitoring functionality and will generate a FAULT SIGNAL in following cases:</p> <ul style="list-style-type: none"> <li>• Image quality degradation to a point where video fire recognition is at danger.</li> <li>• Scene is too dark – only an issue for the smoke monitoring.</li> </ul> <p>Rotating beacon immunity.</p>
<b>Easy set of parameters</b>	<ul style="list-style-type: none"> <li>• Alarm delay.</li> <li>• Sensitivity level.</li> <li>• Minimum smoke and flame size</li> </ul>

### System requirements

<b>Camera compatibility</b>	<p>Araani Fire Guard is only compatible with Axis® cameras:</p> <ul style="list-style-type: none"> <li>• Single-sensor visual camera.</li> <li>• Multi-sensor visual cameras: 1 selectable stream.</li> <li>• PTZ cameras: preset-specific configurations.</li> <li>• CV25, S5L, S6L, ARTPEC-6, ARTPEC-7 or ARTPEC-8 chipset.</li> </ul> <p>See <a href="http://www.araani.com">www.araani.com</a> for latest compatibility list.</p>
<b>Minimum contrast in the field of view</b>	<p>Araani Fire Guard requires "enough" basic contrast in the background scene.</p> <p>In realistic situations, this constraint is usually fulfilled.</p> <p>In case there is a lack of contrast, Araani Fire Guard will raise a Fault Signal.</p>
<b>Minimum ambient light level</b>	<p>From 5 lux onward is required for smoke recognition 24/7 over the whole field of view. However, each camera type has a different sensitivity to low light, so this minimum light level is camera dependent and it can be necessary to have a higher light level. Araani Fire Guard will raise a FAULT SIGNAL if the scene appears too dark on the video.</p> <p>No light is required for flame recognition.</p>

## Contact

**Araani NV - Belgium** | Luipaardstraat 12 | 8500 Kortrijk, Belgium | tel: +32 (0) 56 49 93 94  
**Araani NV - France** | 135, Avenue Roger Salengro | 59100 Roubaix, France | tel: +33 (0) 6 50 30 42 35  
**Araani NV - MEA** | One JLT, Floor 6, suite 208 | JLT, Dubai, UAE | tel: +971 56 979 5142  
**Araani NV - North Africa** | 3, Pl de Navarre Imm San Francisco | Niv 2 - Num 9 | 90000 Tanger, Morocco

\*DISCLAIMER: The end user should be aware that fire safety is subject to strict standards and regulations. Araani Fire Guard can never replace a mandatory fire detector. A solution equipped with Araani Fire Guard is also not intended to be linked with a fire alarm control panel. For such function, Araani refers to its certified solutions (FireCatcher certified, SmokeCatcher Certified, FlameCatcher Certified). Fire indications by Araani Fire Guard should only be raised after human verification.

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