FireCatcher®

Video smoke and flame detection for critical environments

Protect your facility with a camera that warns you of smoke and flames

As a safety professional, you want to protect your business facility or infrastructure as much as possible. By adding the intelligent FireCatcher software to your Axis camera, you can enhance your fire safety by allowing it to visually recognize fire outbreaks in the earliest stage. FireCatcher detects smoke or flames and integrates seamlessly with your fire alarm control panel and video surveillance system to generate an early warning. Visual verification in the camera image allows you to assess the danger and react fast. FireCatcher is your best guarantee to be ahead of the fire and to prevent worse from happening.

- ☑ Flame detection
- ☑ Smoke detection
- ☑ Fire Alarm Control Panel connection
- ☑ Advanced fine-tuning
- ☑ Configurable detection zones
- ☑ Burnt-in metadata overlay
- ☑ Image quality control
- ☑ Activity monitoring

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Technical specification

Functional specification

Detection	• SMOKE detection: detect smoke clouds. • FLAME detection: detect flames, based on colour, brightness, and motion.
Event types	• SMOKE ALARM = smoke detected. • FLAME ALARM = flame detected. • FIRE ALARM = smoke and / or flame detected. • FAULT SIGNAL = insufficient image quality for smoke detection. (flame detection remains active) • OPERATIONAL SIGNAL = normal condition. • SUPERVISORY SIGNAL = smoke detection temporarily suspended. • RECALIBRATING = learning background.
Reliability	Image quality monitoring: • Blocked / blurred image. • Brightness too dark / too light. • Lens dirty. • Camera out of focus. • Camera moved (field of view changed). Stream monitoring: • Malfunction or loss of input stream will result in fault signal.
Connectivity	FireCatcher can drive 4 configurable digital outputs for connection to the fire control panel. Compatible with most common video management systems.
Configuration	Advanced configuration and fine-tuning through web-based interface.
Other features	Activity monitoring: • Allows to suspend detection during activity in the scene (= supervisory state). Rotating beacon immunity.

System requirements

Camera compatibility	FireCatcher is optimized and tested for use on Axis P1375(-E) and Q1615 MkIII(-E) cameras. Others are subject to approval.
Minimum ambient light level	From 5 lux onward is required for smoke recognition 24/7 over the whole field of view. FireCatcher will raise a FAULT SIGNAL if the scene appears too dark on the video. No light is required for flame recognition.

Contact

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