

AXIS Audio Analytics

AI-based audio analytics for actionable insights

AXIS Audio Analytics is an AI-powered edge analytics that detects critical sounds in real-time – like glass breaking, speech, screams, and shouts – without the need to record or stream audio. The analytics can also measure SPL (sound pressure level) and detect sudden volume spikes, enhancing situational awareness. Seamless integration with other metadata sources enables deeper analysis of sound patterns and trends, making it ideal for security, safety, and business intelligence – at no extra cost with compatible Axis devices. Privacy is safeguarded by default, with audio streaming off unless enabled by authorized users.

- > **Detect glass break, speech, screams, and shouts**
- > **Measure SPL**
- > **Get instant, actionable insights**
- > **Privacy by default**
- > **Included at no extra cost with compatible devices**



AXIS Audio Analytics

General

Typical use cases

Suitable for detecting and classifying audio in areas with usually moderate noise conditions

Supported devices

Included in compatible Axis products. For a complete list, see axis.com/products/axis-audio-analytics/support#compatible-products

Compute platform

Edge

Configuration

Through web browser: Chrome™, Firefox®, or Edge™

Languages

English, French, Italian, Spanish, German, Russian, Portuguese (Brazilian), Japanese, Korean, Simplified Chinese, Traditional Chinese, Polish

Capabilities

Functionality

Adaptive audio detection
Audio classification (coughing fit, glass break, human presence, scream, shout, speech)
Audio privacy control
Sound pressure level

Settings

Threshold slider for adaptive audio detection

Limitations

Detects and classifies audio up to a range of 10 meters. Wind and noise may impact performance.

System integration

Application Programming Interface

Open API for software integration, including VAPIX®; specifications at axis.com

Event management

Integrates with the camera to enable event streaming to a video management system (VMS) and event actions such as external output activation, notifications, and edge storage.

Metadata

Event metadata (classifications, audio detections, audio level data)