AXIS Camera Application Platform (ACAP)

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1 Introduction

AXIS Camera Application Platform (ACAP) opens the door to a broad market for security, safety, and operational-efficiency apps. ACAP, which is supported on most Axis devices, is an open platform. It enables the development of Axis-compatible applications that are scalable while minimizing storage and bandwidth requirements.

2 Enabling a wide range of analytics applications

With ACAP, apps and plug-ins can be integrated (and developed) for a wide range of purposes. Security apps, business-optimization apps, traffic-control apps, time-lapse apps, and streaming apps are just a few examples. It is possible to run custom apps on most of Axis broad portfolio of high-quality devices. ACAP is a well-established, proven, and dependable platform.
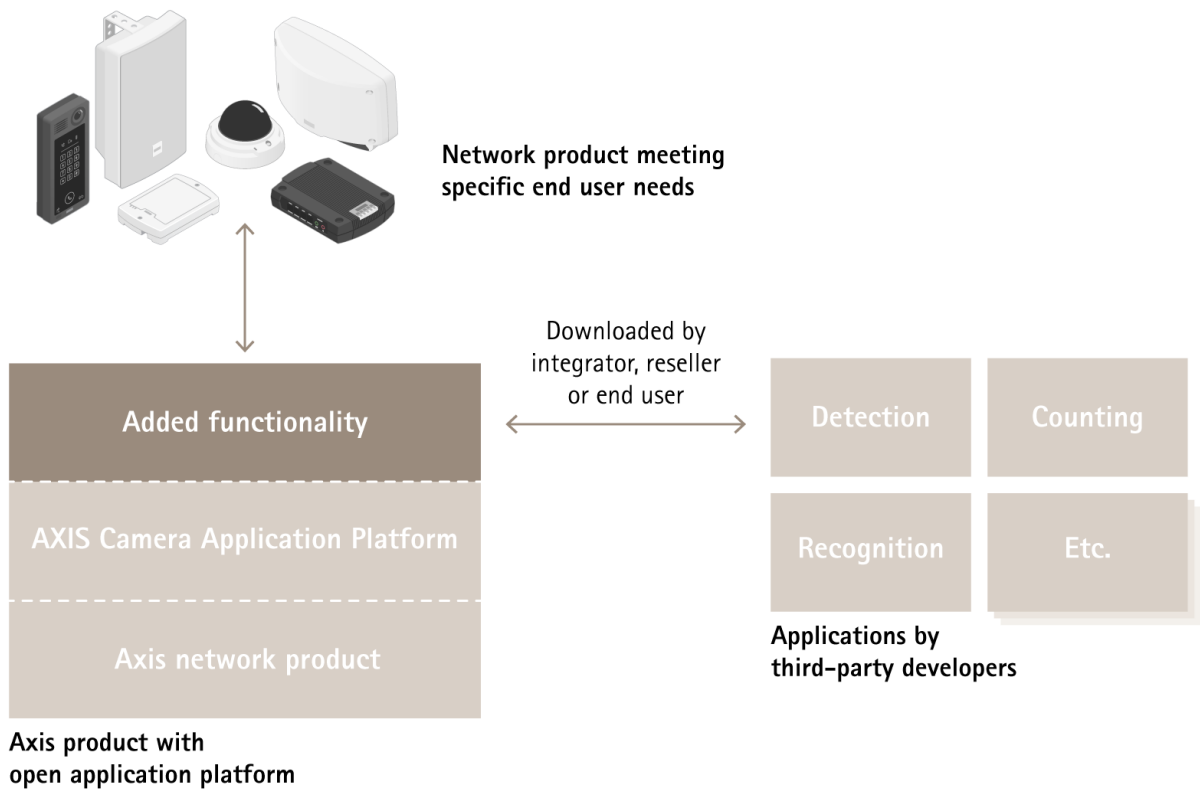

Figure 1. ACAP enables Axis network products to meet specific end-user needs by providing a wide range of applications.

The platform allows third-party development of applications that can be downloaded and installed on Axis network cameras and video encoders. AXIS Camera Application Platform is an open platform that makes it possible for application developers to market and sell Axis-compatible applications.

The platform supports video analytics applications that provide the products with intelligent capabilities such as *AXIS Loitering Guard*, *AXIS Cross Line Detection*, and object left/removed detection.

Compatible applications can be installed on Axis network cameras and video encoders to extend their functionality to meet specific end-user needs.

3   Analytics at the edge

Running an application at the edge, in the Axis product, can improve system efficiency and scalability:

- **Reduced storage and network consumption.** When video is processed directly in the camera, less data needs to be transported over the network.

- **Reduced system costs and complexity.** There is no need for any separate server for processing the video. The processing power of the camera can be fully leveraged instead.

- **Truly scalable deployments.** Less bandwidth traffic, lower storage needs, and less servers make it easy to scale up the system with more cameras and more ACAP applications.

- **Simplified deployment and tuning of client projects.** A unique, customized solution can be provided by combining the right cameras and the right ACAP application(s) with easier integration into video management systems.
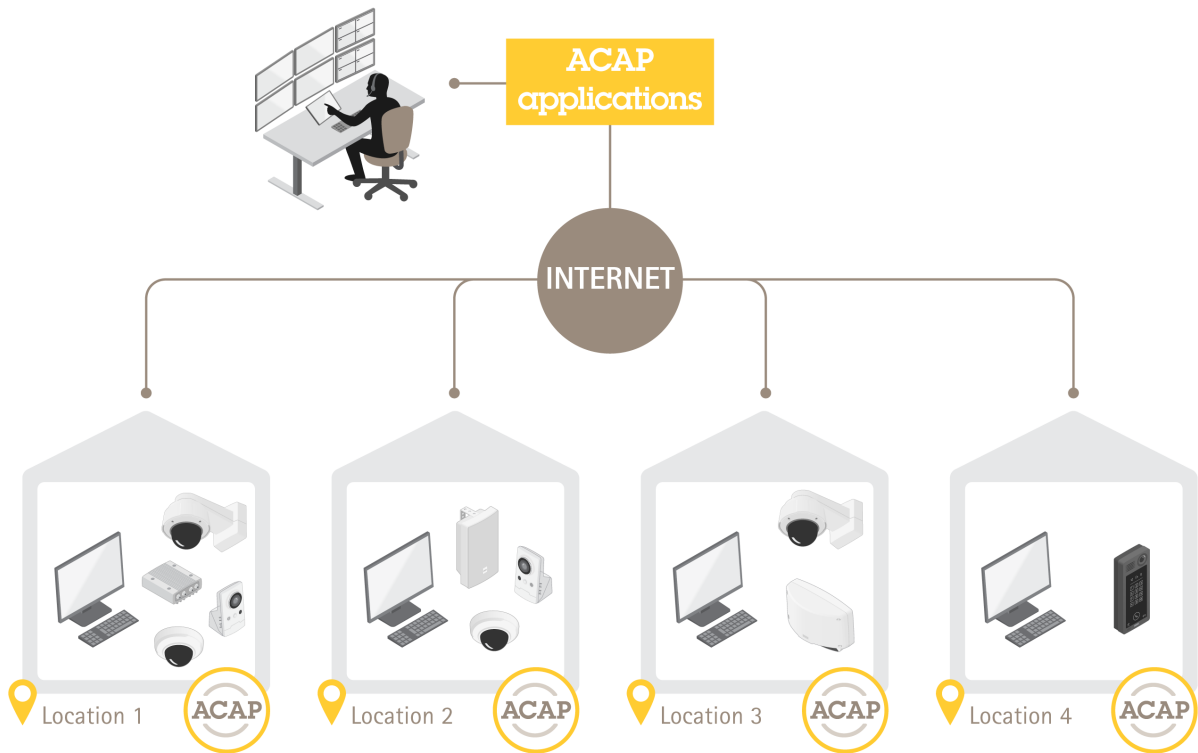

Figure 2. Running ACAPs on the edge enables scalable deployment with easy integration into video management systems.

4 Axis application gallery

The application gallery (link below) provides a long list of specialized software applications developed by Axis partners to be run onboard Axis cameras, on AXIS Camera Application Platform. These applications, such as loitering detection, crossline detection and object left/removed detection, can help users better protect people and property.

https://www.axis.com/products/camera-applications/application-gallery

About Axis Communications

Axis enables a smarter and safer world by creating network solutions that provide insights for improving security and new ways of doing business. As the industry leader in network video, Axis offers products and services for video surveillance and analytics, access control, intercom and audio systems. Axis has more than 3,800 dedicated employees in over 50 countries and collaborates with partners worldwide to deliver customer solutions. Axis was founded in 1984 and has its headquarters in Lund, Sweden.

For more information about Axis, please visit our website *axis.com*.

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