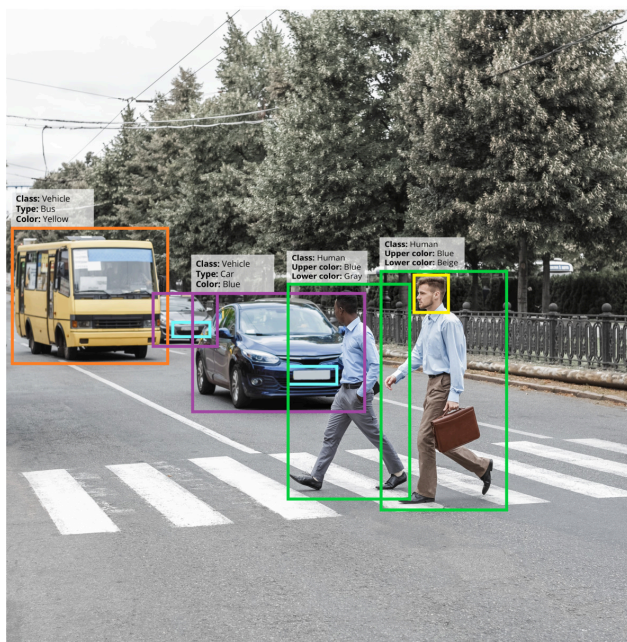# AXIS Scene Metadata
Actionable insights through scene analysis

AXIS Scene Metadata enhances scene understanding, providing critical details such as object classes (human or vehicle), clothing and vehicle colors, license plates, and speed data. This enables rapid decision-making, automated actions, and simplified search. AXIS Scene Metadata acts as a bridge between analytics at the edge and actionable insights, making data accessible and manageable. Seamlessly integrated with third-party solutions through standardized methods, and delivered directly from Axis cameras to your VMS, AXIS Scene Metadata helps reduce system and operational costs while ensuring efficiency and precision.

> **Drive actions and decisions by classifying data**
> **Improve scene understanding and get insights**
> **Make video searchable**
> **Optimize system efficiency by edge analysis**

AXIS Scene Metadata

General

Typical use cases
Delivers AI-based detections and granular classifications of moving objects to enable forensic search, scene understanding, actionable insights, and to identify trends and patterns.

Supported devices
Axis cameras with ARTPEC-7, ARTPEC-8, ARTPEC-9 or CV25
Axis radars

Compute platform
Edge

Configuration
Enable scene metadata in the device's web interface, through an API, or through a VMS

Capabilities

Features
Video: frame and consolidated metadata delivery methods for real-time and post-processing applications, best snapshot to include a cropped image of detected objects in metadata output, metadata visualization in the device's web interface

Object classes
Video: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates
Radar: humans, vehicles

Object attributes
Video: vehicle color, upper/lower clothing color, bag, confidence, position, license plate information[1]
Radar: confidence, position, speed, distance, direction, longitude and latitude

Limitations
Insufficient contrast can affect detection and classification performance.

System integration

Application Programming Interface
Open API for software integration, including VAPIX®, AXIS Camera Application Platform (ACAP), and the ability to consume metadata stream in ACAP Native SDK; specifications at *axis.com*
ONVIF® Profile M, specification at *onvif.org*

Network protocols
RTSP, MQTT

System tools
AXIS Metadata Monitor

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1. *Requires an AXIS Q1686-DLE Radar-Video Fusion Camera with AXIS License Plate Verifier.*