

VISIONAERY

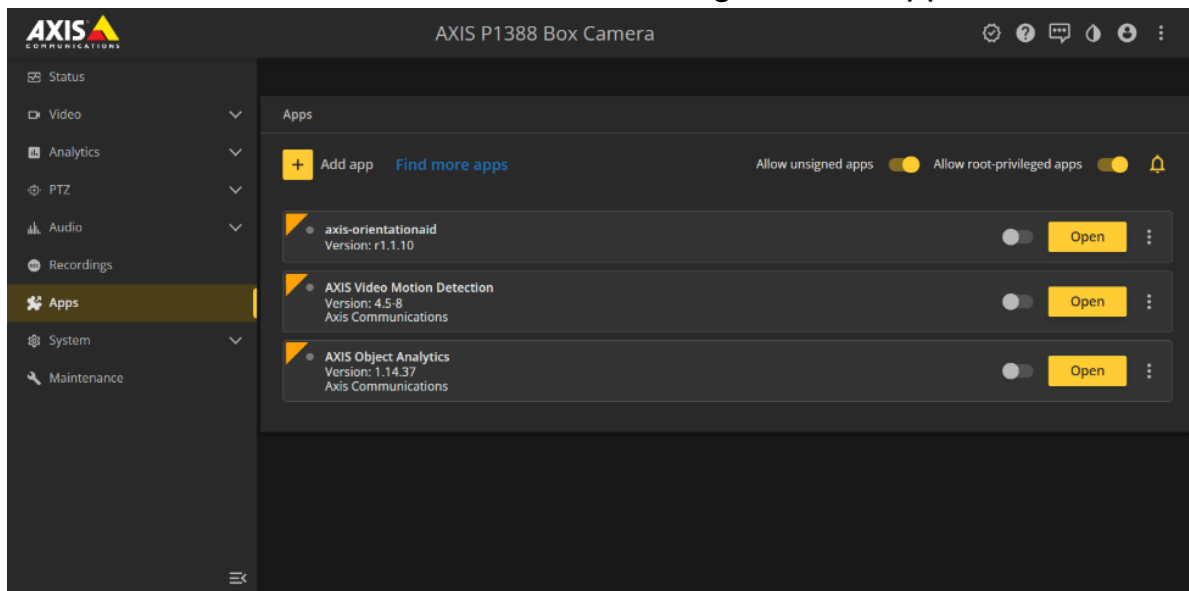
Liquid Leak Detection – Puddle – Axis ACAP

Camera Requirements:

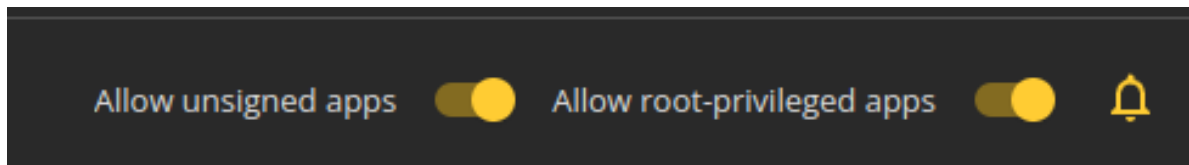
- Axis Hardware Platform: ARTPEC-8 SoCs only
- Axis Firmware: Axis OS 11 Only

Setup:

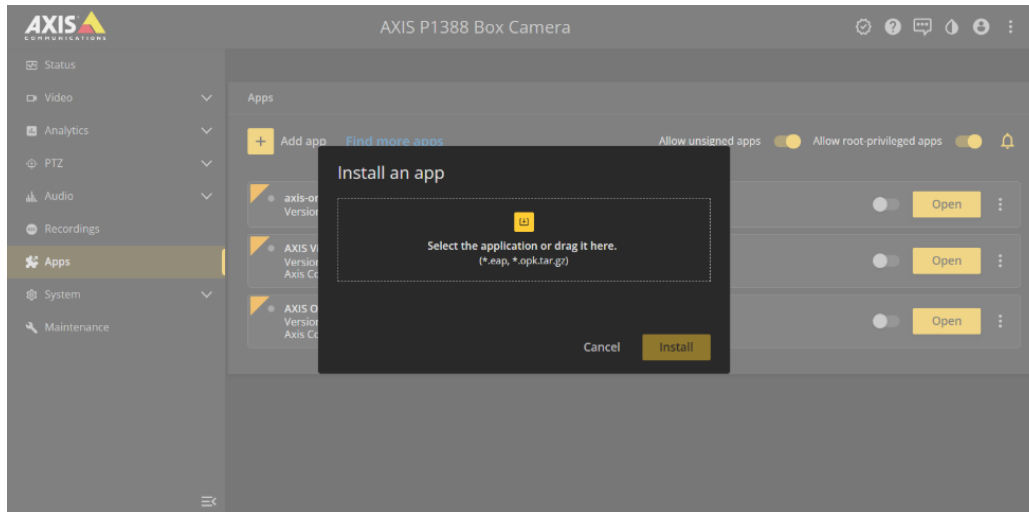
1. On the Axis Camera with ARTPEC-8 SOC go to the "Apps" Tab



2. Make sure both "Allow unassigned apps" and "Allow root-privileged app" are enabled



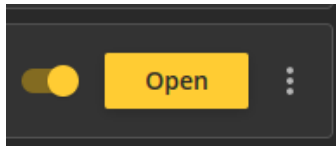
3. Press the "Add App" button and drag in or select .eap App file to install app.



4. Wait for app installation to complete (It usually takes a bit, >2min)

5. Once the install is complete, enable the LLD App

6. Wait for the app to fully start, then press the yellow "Open" button to open the Web UI for the LLD App



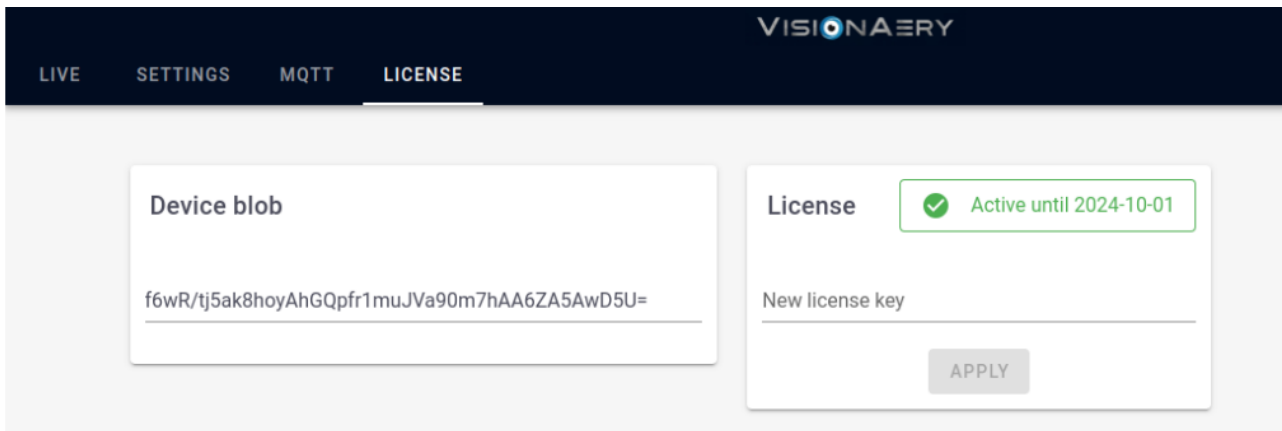
7. LLD Axis ACAP Web UI



Licensing:

For app licensing, please send "Device BLOB" to support@visionaery.com

The Device BLOP can be found on the LLD ACAP App web UI under the "License" Tab



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LIVE SETTINGS MQTT **LICENSE**

Device blob

f6wR/tj5ak8hoyAhGQpfr1muJV90m7hAA6ZA5AwD5U=

License ✓ Active until 2024-10-01

New license key

APPLY

Events/Alarms and Telemetry Data

Type:	Data Description
Events/Alarms:	Message sent when detection meets or exceeds the user set thresholds for each event
Telemetry:	Message sent at user specified time interval

Events/Alarms

Event	Description
puddle_detected	Sent when puddle area is above set threshold

There are 3 pathways in which the LLD ACAP App can send out events or telemetry data

1. Device Event on Axis Camera using its VMS Integration
2. MQTT using Axis Cameras MQTT Connection to Broker
3. MQTT directly from the LLD to Broker

LLD MQTT Topics:

Event Pathway	Event/Telemetry	Default MQTT Topic
From Axis MQTT	Event	axis/MAC_ID/event/tns:axis/CameraApplicationPlatform/LiquidLeakMonitor/Puddle_Detected
From Axis MQTT	Telemetry	axis/MAC_ID/event/tns:axis/CameraApplicationPlatform/LiquidLeakMonitor/Telemetry
From App MQTT	Event	leak-detector/alarms/puddle_detected
From App MQTT	Telemetry	leak-detector/status

Release Notes:

Pre-Release v1.0.3

- Bug fixes:
 - Bounding Box alignment bug fixed
 - Fixed integration with Axis VMS
 - Fixed display of augmented video stream in NxWitness VMS

Pre-Release v1.0.2

- Bug fixes

Pre-Release v1.0.1

- Change port of webserver

Pre-Release v1.0.0

- First release

Known issues

- Model is not as accurate as it needs to be. Issue with running on Axis DLPU and Image re-size layer.