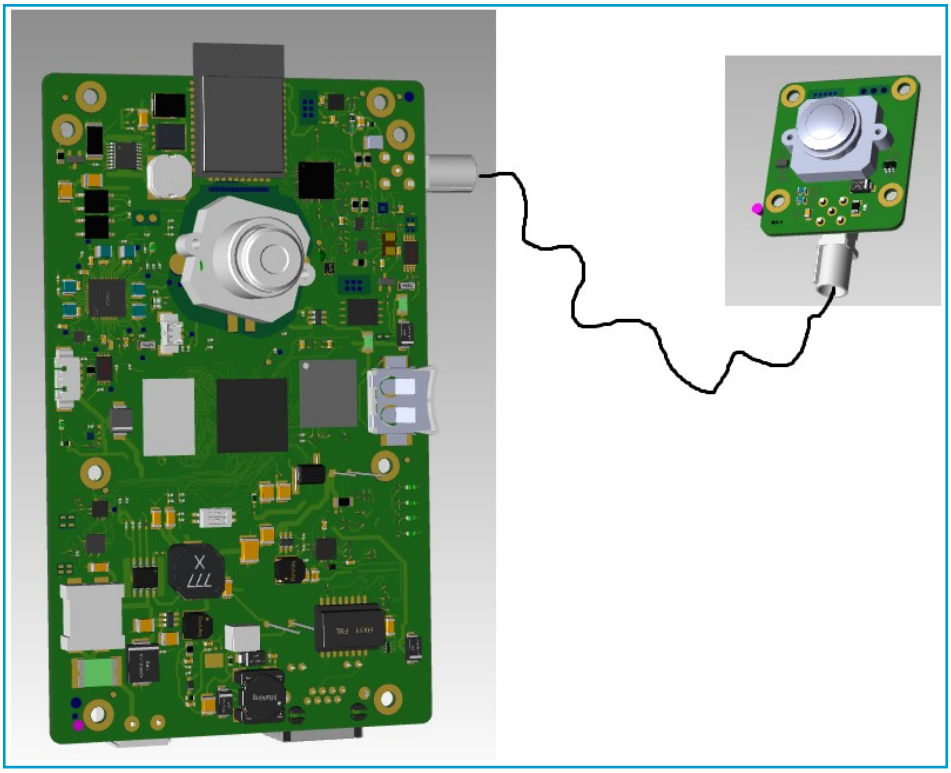
LYNCS-AI

low power multipurpose imaging platform

Cynove has embedded most of its knowledge into one single and low powered board. Along with its HDR camera, the LYNCS-AI will be suited for outdoor as well as indoor applications.

The Wi-Fi connectivity will allow easy parameterization on any recent smartphone or tablet, as well as providing a way of uploading your data on the cloud.



The LYNCS-AI also benefits of an ecosystem of state-of-the-art sensors to help you monitor your surroundings.

All images are processed on the board and thus not violating most countries regulations regarding data privacy.

Hardware features

- Camera HDR 1280x800
- Multiple focal length lens availiable including pinhole for discretion
- Power consumption < 4W
- SD Card support up to 32GB to save data and pictures if needed
- Wi-Fi connectivity for parameterization, data uploading or over-the-air updates
- Intuitive user interface to schedule tasks to be performed
- Camera sensor can be mounted up to 10m away from the mother board

Applications examples

Supervisor

An embedded motion detector and the Cynove technology « GreenMotion » can help you quickly visualize what moved when the picture was taken, and possibly tell an intruder from a false detection.

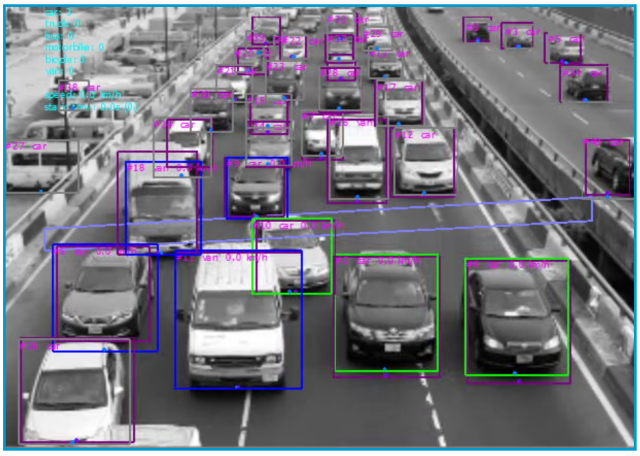
Timelapse

Set up an image acquisition at constant interval and create a timelapse movie thanks to our HDR camera

Applications examples

Vehicle counter

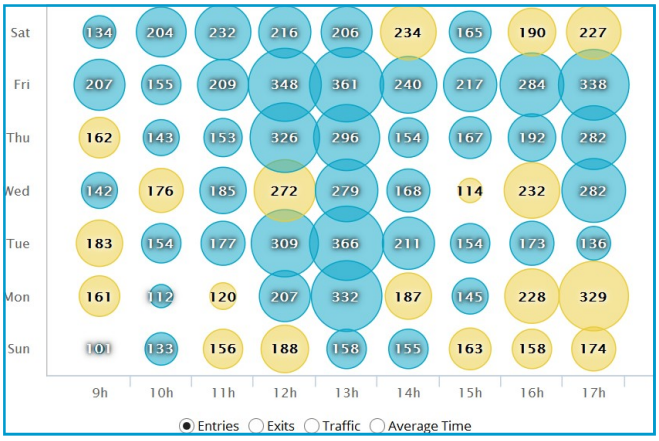
Cynove has trained a vehicle counter and a classifier to track vehicles : cars, buses, trucks, vans, motorbikes and bicycles.



Flow quantifier

The flow quantifier enables you to track people on the street or in a store. Multiple outputs are availiable to help you visualize your data such as heatmaps

Specify some regions and start monitoring the flow of people throughout the days



Easily spot the peaks hours and quieter moment in a blick

Plate number recognition

Detect plates numbers of vehicles without the need of IR leds. Currently only supporting french plates numbers. Can be trained for other countries upon request.

Crowd Meter

Monitor and count people in crowded areas. Up to 8M picture can be processed for maximum depth

Count how many people passed in front of the camera without any prior configuration

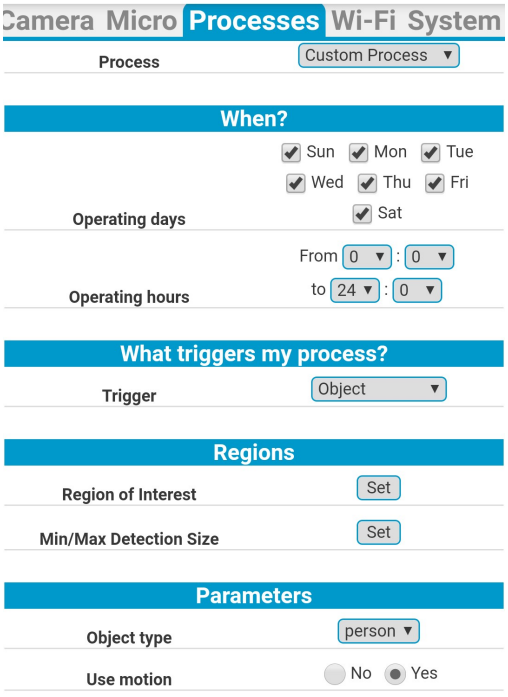
User interface overview

Operability

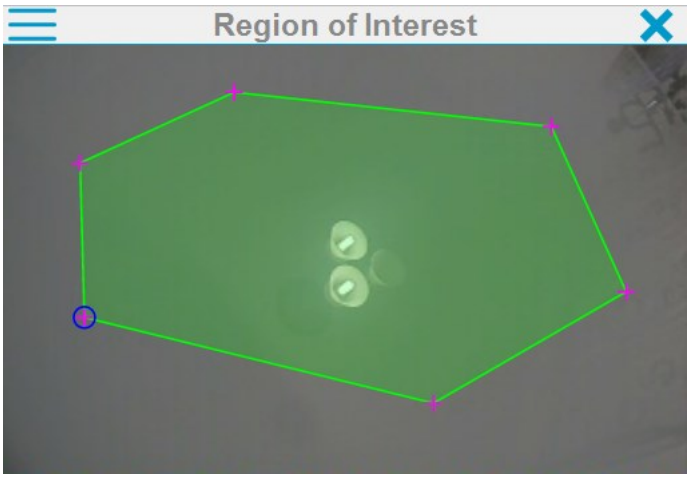
The user interface was designed to be used on any smartphone or tablets as long as you have a web browser. Your on-site installations will be sped up by its simplicity, and require no specifical piece of equipment. If you chose to connect your Lyncs-Mini to our Cynove Cloud, you can even access it remotely as long as it has internet access. No administrator rights or prior configuration of the network is required.

Task scheduling

The multiple options to set up your tasks grants you a huge flexibility for your applications and allow you to have some out-of-the-box creations.



Region of interest selection



If you are only interested in processing a small part of the part of the image returned by the camera, you can either reduce the area of viewing or draw your regions of interest.