

# View Feature Streams

The View perspective of the Perception Studio program provides the visualization of streamed molecular information.

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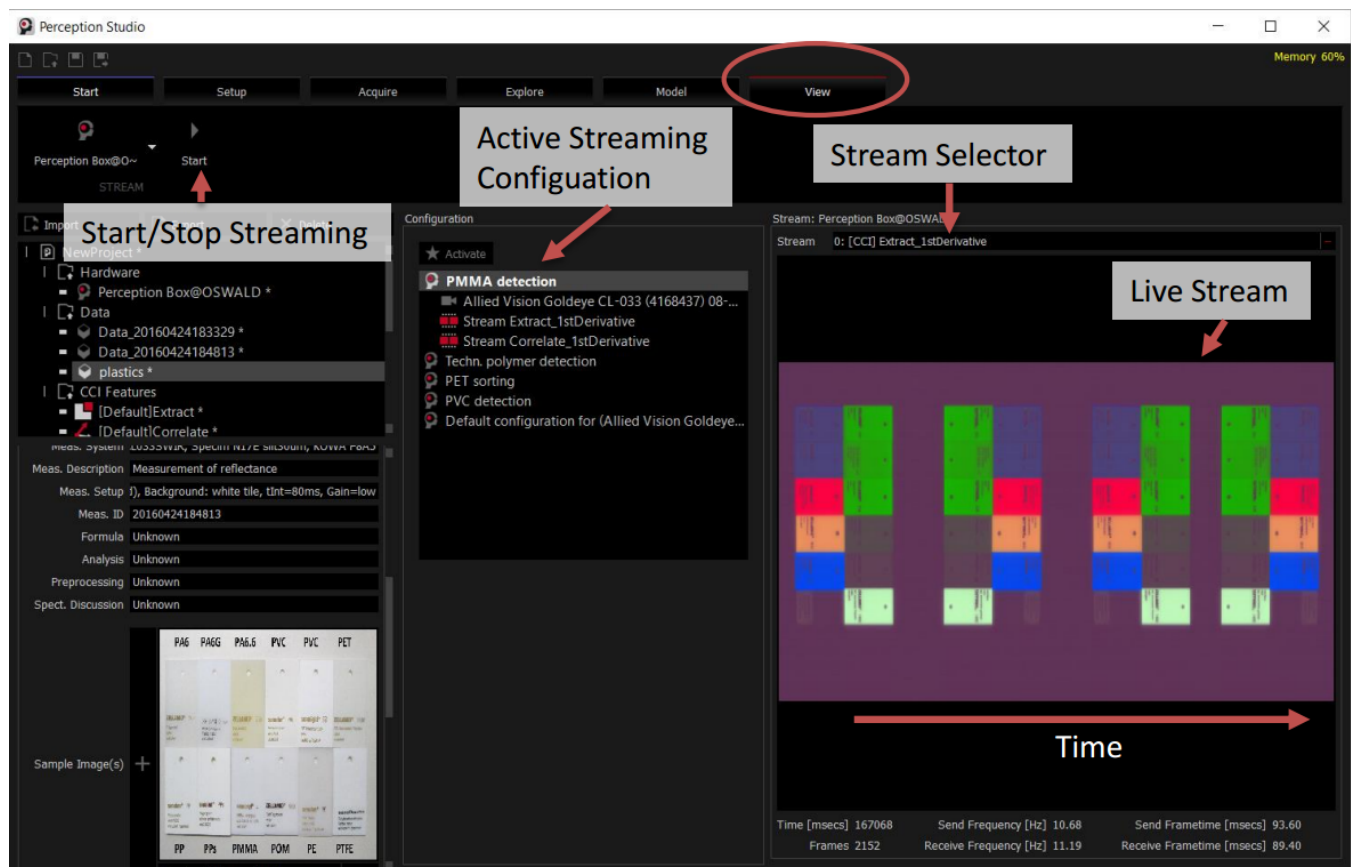
## Motivation

Before interfacing the Perception Core with a machine vision system, a quick evaluation of the live streaming of modelled information is often helpful.

## Function

The Perception Core acts like an adapter between a hyperspectral camera and a machine vision solution. From selecting between predefined run-jobs, the transformation from hyperspectral information to image information is done according to the users choices (according to the models a run-job is build of).

## About the View Perspective



In the View perspective the run-job *PMMA detection* is selected. On the right hand side the CCI-Stream *Extract\_1stDerivative* is shown resolved by spatial pixel position (vertical) and scans over time (horizontal). The plastic plates shown were moved four-times through the inspection line of the line-scan system. Beside the CCI-Stream currently shown the stream *Correlate\_1stDerivative* is available (shown in the *Configuration* panel left to the stream). Beside the run-job *PMMA detection* additional run-jobs are available on the hardware the Perception Core is running on: like *PET sorting* or *PVC detection*.

## Workflow

- Activate a run-job of your choice.
- Add a run-job beforehand (see [Setup a Hardware Device](#)).
- Start the streaming.
- Select a stream. Hint: A run-job can hold more than one streams (one stream per model)
- Inspect the live visualization

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