DevPylon, DevVimba...Game changers at LULI

TUMBCMO32

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Abstract

This poster focuses on two linked software components: DevPylon and DevVimba. Each affected to a type of cameras: Basler via PyPylon wrapper interface of Pylon Software suite and Prosilica via Vimba SDK library, respectively. These two **Tango** [1] devices are Python scripts constructed and generated via **POGO** [2]. They offer a specific way to monitor more than 100 CCD cameras in the facility at an image acquisition and display rate up to 10 Hz for a maximum of 300-shot at 1-minute rate per day and on an always-ON mode throughout the day.

Purpose

2 types of **cameras**, 2 **Tango devices** with similar properties and attributes: ONE GUI

Tango-Control Advantages

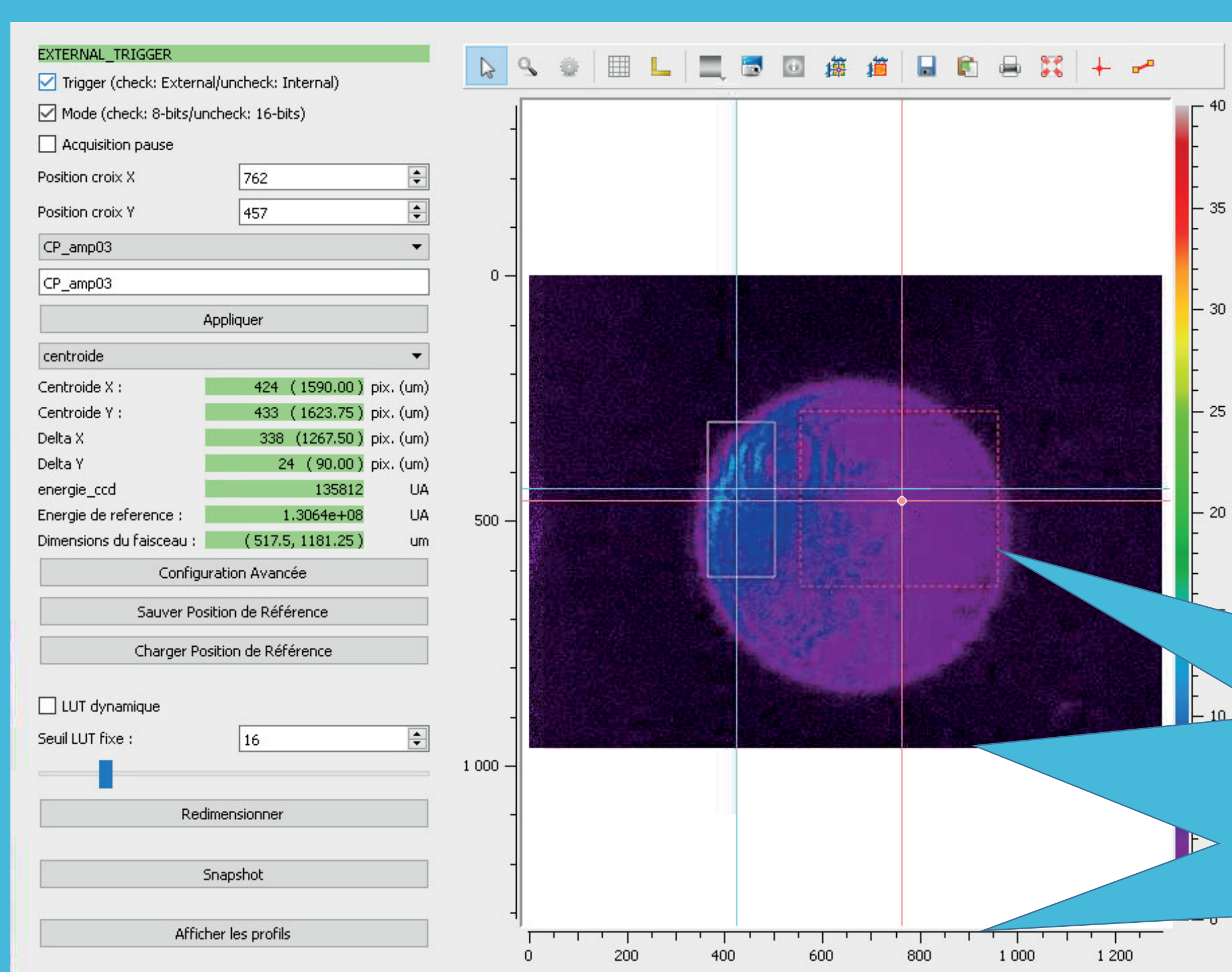Multi-languages, OS independent and valuable panel of tools for management and monitoring

Availability

Find these two Python devices on the Tango-Controls gitlab!
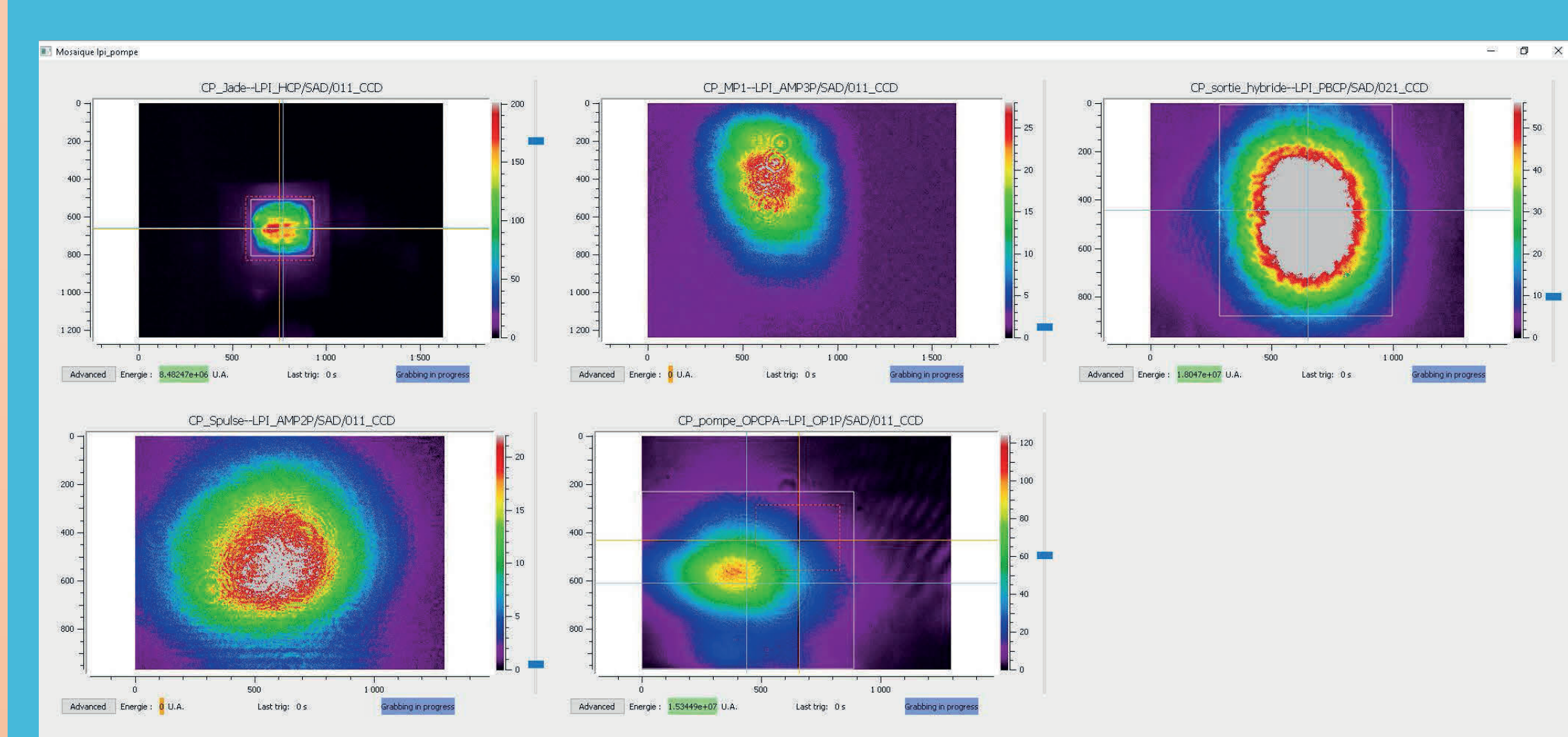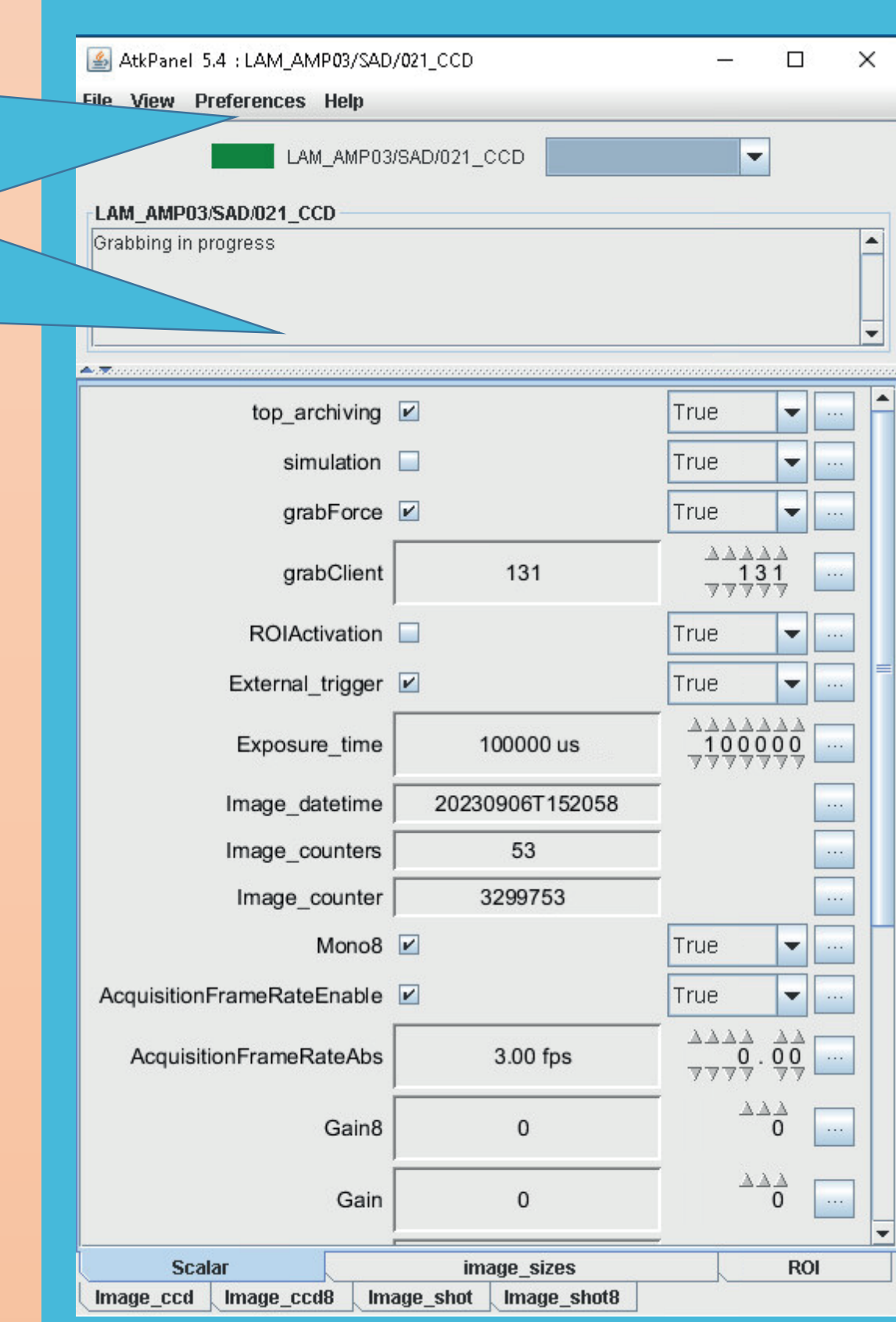
Cameras

One Gui And One Only

The DevCalculs device associated with DevPylon and DevVimba allows a real-time computation of centroid, alarm zone, local maximum, etc. and also displays user-defined references.

Basler

Prosilica

Similar AtkPanels

A Single Experience For A Happy User

The next step will be to integrate other cameras and create a library to consolidate these features; it's a big investment of resources for our lab at this moment due to the use of specific PyPylon/Vimba libraries. Interested? Come and join us! **Tango** is the Future. **Soon on The Moon!?**

Aknowledgment & References

[1] Tango Controls website: http://www.tango-controls.org
[2] POGO is a Tango Controls class generator

Conference Link

See our other poster TUPDP012 about Apollon facility command-control in the session on Tango at LULI

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Keywords: TANGO, Python, software, data acquisition, camera

LULI/Apollon

Apollon 3D