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# XH Detector integration with LImA

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Many complex systems require the use of different detector devices. The detectors usually acquire 1D or 2D data, but as the manufacturers differ, they all have diverse controlling interfaces. When the API and interface differ, it can become complex to control multiple different devices. The Lima library was created to overcome those obstacles. It unifies the usage of 1D and 2D detectors by exposing an interface which can, later on, be customized to use different detectors' APIs. The XH detector designed by STFC and used at ESRF is one example. The data collected by XH is sent to the server named "DA" acting as an API proxy and answers the string commands. The commands can both set the attributes and trigger the acquisition. All those complex commands and logic are wrapped into the Lima interface allowing transparent control over the device without additional knowledge and personal training.

## Funding Agency

## Footnotes

## I have read and accept the Privacy Policy Statement

Yes

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