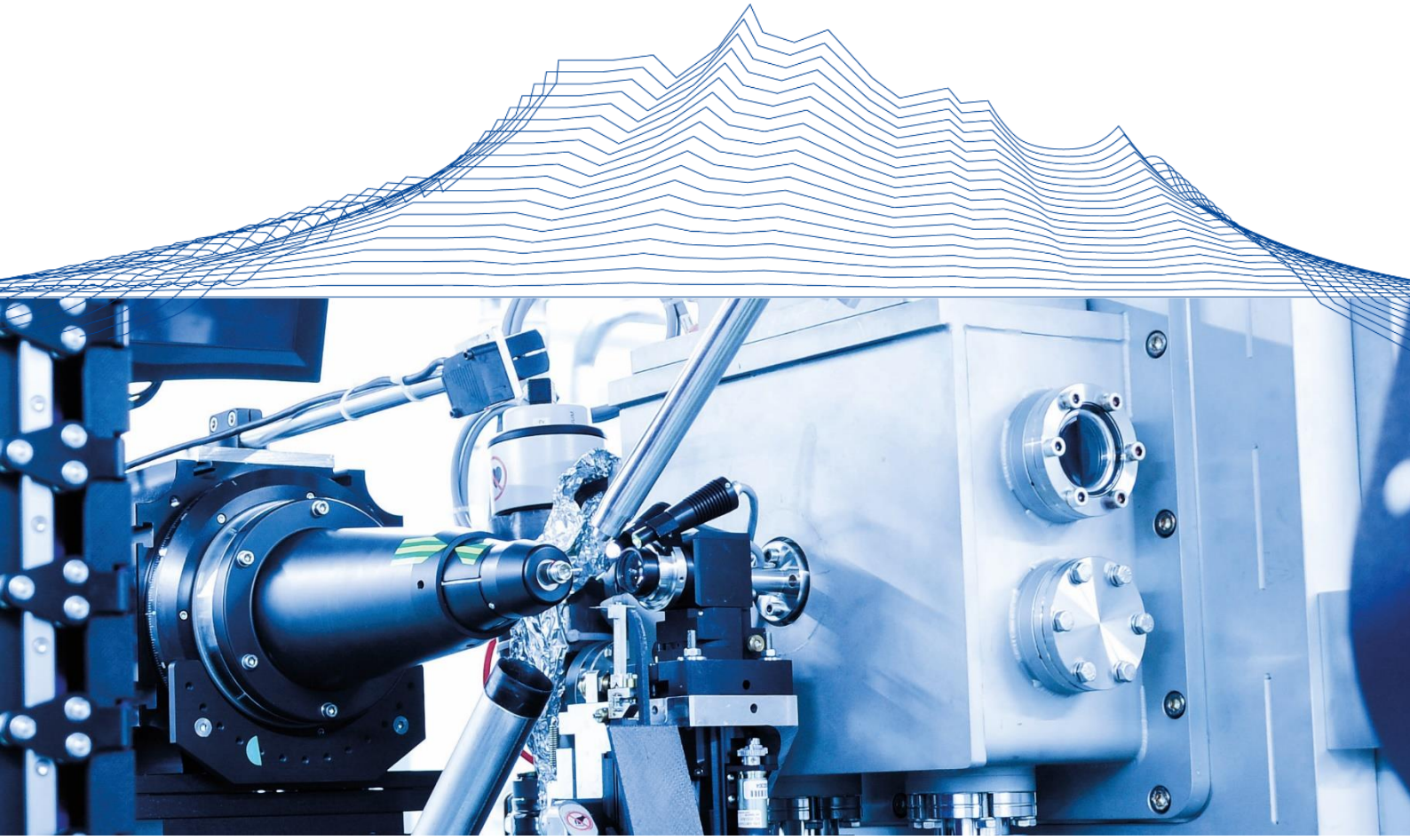
DECTRIS
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Quickstart Guide

PPU – PILATUS Processing Unit

This user manual is valid for the following FURKA and GRIMSEL versions:

FURKA Version: *V.3.7.1*

Grimsel Version: *V.3.7.1*

Document Version: V3

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1. Document History

1.1. Current document

Version	Date	Status	prepared	checked	released
3	24.08.2021	Draft	DieG	LisG	DieG

1.2. Changes

Version	Date	Changes
1	17.12.2015	First version of the document
2	21.08.2019	Update of corporate design
3	23.08.2021	Formatting changes

2. How to use this Quickstart Guide

Before you start to operate the PPU please read this Quickstart Guide carefully.

2.1. Address and Support

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Website:

- www.dectris.com → support → Technical Notes → PPU
- www.dectris.com → support → FAQ
- www.dectris.com → support → Problem Report

Email:

- support@dectris.com

Should you have questions concerning the system or its use, please contact us via phone, email or fax.



Do not ship the system back before you receive the necessary transport and shipping information!

2.2. Explanation of Symbols

Symbol	Description
	Important or helpful notice.
	Caution. Please follow the instructions carefully to prevent equipment damage or personal injury.

2.3. Disclaimer

DECTRIS Ltd. has carefully compiled the contents on this manual according to the current state of knowledge. Damage and warranty claims arising from missing or incorrect data are excluded.

DECTRIS Ltd. bears no responsibility or liability for damage of any kind, also for indirect or consequential damage resulting from the use of this system.

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3. PILATUS Processing Unit (PPU)

3.1. Daily Operation

- After each user shift, please restart FURKA with a new user uid and gid, which changes the ownership of the copied data to this user:
  `/etc/init.d/furka restart -u 500:501`

- Check status and license information of FURKA and GRIMSEL:
  `/etc/init.d/furka status`

  `/etc/init.d/grimsel status`

- The following example shows how the directory structure of the data is replicated by FURKA and GRIMSEL:

  Let us assume the detector writes data to:

  `<detector-server>://ramdisk/path/to/data`

  If we set `source` to `/` and `target` to `/ramdisk/./imgdir` FURKA appends the corresponding `uid_gid` of the user (*e.g.* 500_501 from example above) to `target` and data will appear on the PPU in:

  `/ramdisk/imgdir/uid_gid/path/to/data`

  The `/./` in the target path is ignored by FURKA, however, GRIMSEL will use it as a starting point, which path information has to be replicated. In our example GRIMSEL will write the data to (`target = /data`):

  `/data/imgdir/uid_gid/path/to/data`

- Configuration files can be found at :
  `/etc/furka_dectris.conf`

  `/etc/grimsel_dectris.conf`

  Log files can be found at:

  `/var/log/furka_dectris.log`

  `/var/log/furka_dectris.log`

  License files can be found at:

  `/var/lib/furka/license.key`

  `/var/lib/grimsel/license.key`