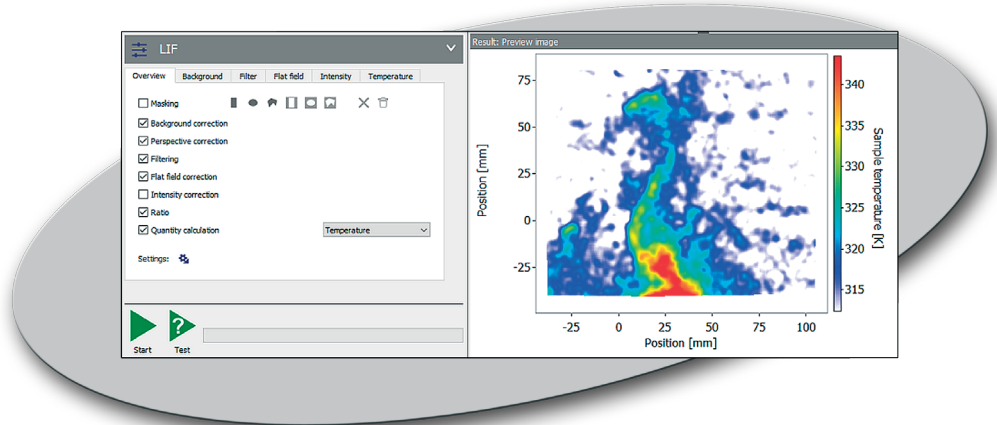


Thermographic PIV / Phosphor Thermometry

Changes in DaVis 10.1.1

Thermographic PIV is a showcase application for LaVision's capabilities in multiparameter imaging through the combination of PIV and phosphor thermometry.



DaVis licenses and
Davis project type

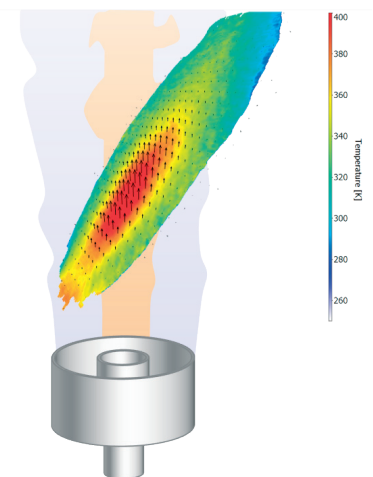
In previous versions of **DaVis 10** a separate project type (Thermographic PIV / LIP) and software license (#1105062 – Phosphor Thermometry, LIP) were required. With the release of DaVis 10.1.1, the new LIF package covers all the functionality required for Thermographic PIV and Phosphor Thermometry. Both the project type (Thermographic PIV / LIP) and separate license have become obsolete and have therefore been retired. In the future the following two licenses are required to perform Phosphor Thermometry:

- ▶ 1105041 - LIF software module (1-color, base module)
- ▶ 1105043 - LIF ratiometric software module (2-color, required add-on)

Combining these with an appropriate PIV license will make thermographic PIV measurements and processing possible, all within a single DaVis LIF project.

Processing in
DaVis LIF package

All the necessary operations can be found in the operation groups "LIF" and "PIV-LIF". With the introduction of DaVis 10.1.1 the new interactive „LIF“ processing operation for temperature calculation is available. This is recommended for performing 2-color thermometry analysis e.g. Phosphor Thermometry. Refer to the most recent DaVis manual Gaseous LIF (# 1004077) for more information.



Phosphor Thermometry in DaVis 10.1.1 using the interactive LIF function.

Data provided by LaVision is believed to be true.
However, no responsibility is assumed for possible inaccuracies or omissions. All data are subject to change without notice.

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