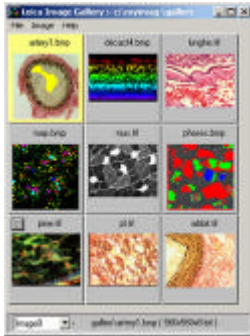


## QWin Modules

The modular nature of the entire system means that it may be customised exactly to meet your needs in terms of image resolution, image memory and computer power. Looking forward, it can be readily upgraded should your needs change. The design of QWin and Leica QUIPS software is such that a technically and financially appropriate level exists to suit each customer:



Leica QGallery – (supplied with all versions of QWin)

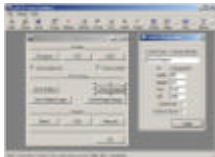
Leica QGallery provides the user with a convenient method for viewing images that have been acquired either directly through Leica QWin, or imported from alternative sources. Images can be displayed as thumbnails or zoomed to cover the entire screen, with associated image information immediately accessible in adjacent windows.

Leica QGo – (all versions except Lite)

Used as a current means of Starting QUIPS macros for a predefined ground. It can be arranged so that macros are dedicated to a particular operator or application.

Leica QUIPS for Automatic Routine Operation – (with QWin Standard)

Leica QUIPS is an interactive macro-programming facility for Leica QWin, which enables the user to create fully automatic routines for any repetitive, or user intensive analysis task, with the steps automatically memorised to minimise the typing required. The resulting one click, routine operation reduces human error without diminishing the authority of the operator.



Leica QForm – (with QWin Standard)

Advanced module with Leica QWin Standard allows the user to design customised dialogs for specific applications and extend the capability for turnkey software development.

Leica QFAB Feature Analysis Browser – (with QWin Pro), option of QWin Standard & Plus

Leica QFAB can be used to process, interpret and report on raw data obtained through analysis in QWin. Data views include tabular, pie chart, specimen map, feature gallery and feature detail, within each of which, editing, sorting and classification of individual features assist statistical summarising. When Leica QWin is used in association with a motorised stage and automated focus control, individual features can be repositioned for review as necessary.



Leica QFFT – (with QWin Pro). option with QWin Std & Plus

Leica QFFT is integrated with QWin to perform both forward and inverse Fast Fourier transformations. The program provides the user with the opportunity to analyse features that might be hidden or unclear on first inspection, particularly where electronic noise is excessive. QFFT speedily processes data of transformed images and undertakes cross correlation with any size kernel.

## Application modules for QWin Standard, Plus and Pro

Modules are optionally available to users of QWin that provide popular additional functions. These are operated from a dialog dedicated to the task and have the added advantage of being extendible by the full range of QUIPS instructions when used with QWin Standard or Pro.

Time lapse - this module acquires images to the hard drive at intervals that you define and replays these as required. Analysis and measurement of the images can be performed by the extensive facilities of QWin.

Extended focus - used to acquire images at different Z-positions and to combine these into a single image representing the in-focus points. A corresponding depth-map is produced and the surface profile can be displayed from this. Normally used with a microscope with motorised Z-axis.

Mosaic - takes images from a stage scan pattern and stitches these into an overview image. This image can be analysed by the QWin facilities or used to relocate to regions of interest for further analysis.

Multi – site imaging – this module allows you to define multiple sites as a rectangular grid e.g. multi-well plates. Images are automatically collected from each site and displayed in a gallery. Further customisation is of course available using QUIPS.