Image Data Capture Solution

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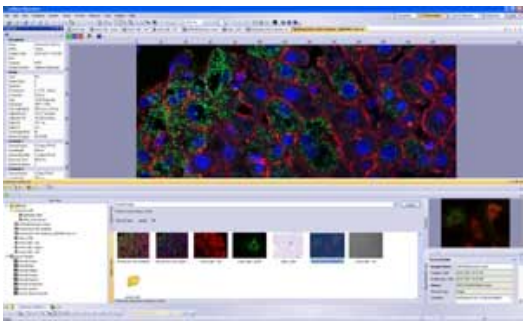

Olympus has today announced the release of its Database Solution module for the cellSens Dimension software suite. The module will simplify user workflow management, making it easier to capture, process and securely store images along with a variety of searchable and customisable metadata. With the ability to act as a client-server platform, indexed files and data can be shared across a network, with access and modification rights secured by password protection.

The Olympus cellSens Dimension Database Solution module unlocks the full potential of image data capture. Each image can be stored within a highly structured system hierarchy, making it simple to organise based on classifications such as experiment, project, or job. Data search and retrieval functionality is further enhanced via the inclusion of customisable metadata, while extensive search functions and pre-defined search templates make the process even more accurate and rapid.

As well as providing local database functions, the new module can also integrate with existing network infrastructures to provide a centralised data server based on Microsoft SQL Server Express. In this way, images, data and observations can be shared between users and accessed from any computer that is part of the network. The system is easy to customise and expand, making the addition of new users, workstations or data tags simple, fast and reliable.

The cellSens Dimension software package provides a broad range of advanced features for microscope-based investigations, with additional functionality provided by the optional Solution modules, namely 5D Multichannel, Multi-position, Count and Measure, CI Deconvolution, Database and Netcam. The system allows the user to perform a range of complex and highly sophisticated experiments, from extended focal imaging to multiple image alignment and multi-position imaging. In addition, advanced and precise time-lapse experiments can be conducted, with the resulting time stacks amenable to kinetic and threshold-based object analysis. Once data has been obtained, the unique report composer uses Microsoft Word templates to generate reports based on user-generated images and data stored in the cellSens database.

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