Komet 7.1.0: Updates 4 May 2016

We are pleased to announce this latest incremental release of **Komet, version 7.1.0**. This release features a number of updates for Komet and the Database Viewer. A summary of these updates is provided below.

Bug Fixes & Enhancements

Komet

- Windows 8.1 and 10 compatibility
- Improved management of data folders to better support multi user environment under the Windows 8.1 & 10. Now using 'Public' folder to provide consistent data access for multiple users.
- Scored cells are highlighted to facilitate better management of cells score when using a large format camera, or loading large images from disk (10944)
- The Komet protocol settings now record the Gamma option to ensure that the contrast mapping is correctly applied (10927)
- Camera Settings can now be imported from previous created protocols (10806)
- QC menu now provides prompt for manual QC check at specified interval, and is recorded with the study for auditing purposes (10940)
- Improvements made to the Date and Time format to ensure all are presented in ISO format YYYY-MM-DD (10833)
- The reason list will now force the default items, and also ensure that the order is preserved after editing (10665)
- Removed delay which may have been seen when scoring interactively from live image (10811)
- A fix has been implemented to prevent access violation, which was occasionally seen during scoring (10667)

Database Viewer

- Improvements made to the Date and Time format to ensure all are presented in ISO format YYYY-MM-DD (10833)

Komet 7.0: Updates 14 Dec 2014

Bug Fixes & Enhancements

- Komet 7 and 7GLP maintain backward compatibility for hundreds of existing users (including existing cameras), while advancing to Windows 7 compatibility.
- The software now includes drivers for Andor's sCMOS cameras, whose large fields of view are well suited to high-throughput imaging of fluorescent comet samples. Other technology advances include replacing arc-lamp illuminators with Light Emitting Diodes (LED), whose benefits include one hundred fold lifetime increase, low noise, safe handling, and low cost of ownership.
- As a manufacturer of systems, cameras and software, we offer a new range of Komet Workstation packages, with state of the art sCMOS camera, high performance computer and optional LED illuminator with guaranteed performance at an attractive price.
- Komet 7.0 provides an upgrade path to existing users, either through the new workstation bundle or via re-use of existing 3rd party cameras. Preferential upgrade pricing guarantees value for money and protects investments to date. All comet measurements remain compatible with previous versions so that users can upgrade with confidence that data remains compatible.

Komet 7.0 is available as a download from our website with a short-term evaluation license enabling interested parties to try the product before purchase. Andor now offers the following software, workstation and imaging solution options:

- **KOMET-R-WSTN-ZYLA** – Komet 7.0-Research and DBV provided with Andor's unique Zyla 5.5 USB3 and Windows 7 PC. Zyla 5.5 USB3 is 2560 x 2160, 6.5 µm pixel sCMOS camera, which provides a large field of view with excellent resolution and sensitivity. Zyla 5.5 is conveniently interfaced to the PC via USB 3.0 and can be used for a wide range of other applications including FISH and general wide-field fluorescence imaging.

- **KOMET-GLP-WSTN-ZYLA** – Komet 7.0-GLP and DBV provided with Andor's unique Zyla 5.5 USB3 and Windows 7 PC. Zyla 5.5 USB3 is 2560 x 2160, 6.5 µm pixel sCMOS camera, which provides a large field of view with excellent resolution and sensitivity. Zyla 5.5 is conveniently interfaced to the PC via USB 3.0 and can be used for a wide range of other applications including FISH and general wide-field fluorescence imaging.

- **KOMET** – Komet 7.0-Research and DBV software for installation on customer Windows PC, which provides imaging, capture, analysis live from for Andor and analysis from a wide range of file formats pre-stored on disk.

- **KOMET-GLP** – Komet 7.0-GLP and DBV software for installation on customer Windows PC, which provides imaging, capture, analysis live from for Andor and analysis from a wide range of file formats pre-stored on disk. Komet 7-GLP is compatible with FDA 21CFR part 11 compliance and assures tamper-free data recording for quality assurance

- **KOMET-WSTN** – Dell T1700 PC with 8GB RAM and 512 GB SSD installed with Windows 7 for use with Komet software. Included 24" Ultrsharp LED monitor (1920x1200)

- **LL-PE300-WHT-NK1-I** - CoolLED pE-300 - Suitable for Nikon Ti, TE2000, Eclipse 50-90i, E400-600, FN1, AZ100

- **LL-PE300-WHT-OL1-I** - CoolLED pE-300 - Suitable for all Olympus scopes apart from BH2, LV200, LEXT, IMT.

- **LL-PE300-WHT-LE1-I** - CoolLED pE-300 - Suitable for all Leica compound microscopes (not stereo microscopes)

- **LL-PE300-WHT-ZS1-I** - CoolLED pE-300 - Suitable for all Zeiss scopes

Over the last 20 years Comet has become a powerful tool for applications as diverse as cancer research, safety testing of pharmaceuticals and chemicals, environmental and occupational studies, dietary and even fertility research. Because the assay can be adapted to virtually any cell-type from almost any organism and studies designs can be created to characterize DNA damage and repair as well as DNA integrity and comparisons between different populations, the assay is widely used in many disciplines.

Komet 7 and Komet 7GLP and associated products are intended to provide researchers around the world a platform to produce high quality data from the comet assay.

The adoption of the OECD Guidelines entitled "In-Vivo Mammalian Alkaline Comet Assay" (TG489) on September 26th 2014, marks a significant watershed as the assay is now officially embraced for safety testing among regulators responsible for human health and well-being.

If you require any further information about Komet please contact Andor Product Support. The latest contact information is available on the Andor website: andor.com