ANDOR
an **Oxford Instruments** company

Solis 64

Solutions for Imaging and Spectroscopy
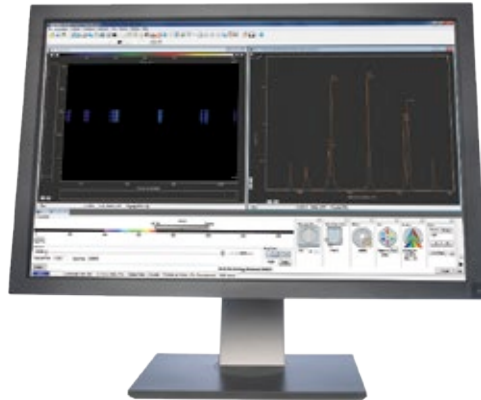## 64-bit acquisition software

Solis

State of the art acquisition, display and processing software

Solis is Andor's camera control and analysis software platform, with versions specifically designed to run:

- Imaging; Solis (I)

- Spectroscopy; Solis (S)

- Time resolved; Solis (T) cameras and associated accessories.

Key Features of Solis

- Simple installation wizards depending on your hardware

- Real-time data display ideal for aligning experiments

- Real-time charting capability for optimizing your experiment

- Real-time data calculations including background correction, flat-fielding, transmission, reflectance and absorptance

- Advanced virtual memory management allows files >2GB in size to be opened and viewed with minimal performance impact on you PC

- Minimize memory usage and increase frame rate via simple sub-binning and sub-array control

- User selectable triggering options

- Comprehensive display modes - pseudo-color image, 2D, 3D stacked and overlaid

- Comprehensive AndorBasic programming language

- Compatible with Windows XP, Vista, 7 and 8 on 32-bit and 64-bit platforms

Solis I

Designed for image capture and analysis

Andor Solis I provides the user with full control over Andor's wide range of imaging cameras.

Key Features

- Real-time image display (video mode) ideal for aligning experiments

- Advanced data spooling direct to hard disk allowing large data sets to be acquired

- Increase signal intensity above the read noise floor with RealGain™ control (EMCCD compatible systems only)

- Minimize vibrations with "Silent Fan" operation

- Kinetic series recording and playback
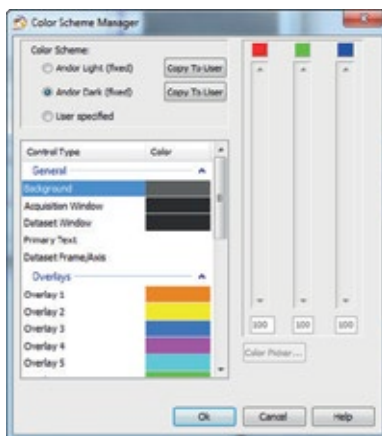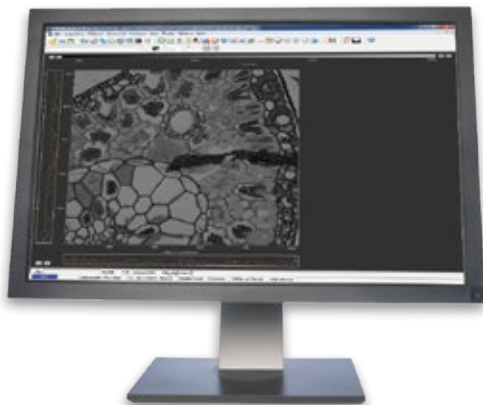
New color scheme manager

Key Applications

- Fluorescence imaging
- Single Photon Counting
- Bose-Einstein Condensation
- Atmospheric studies
- X-ray studies
- Raman imaging

Key Products

iXon EMCCD camera range

sCMOS camera range

Clara interline CCD

iKon CCD

Solis S

The ideal software platform for spectroscopy applications

Andor Solis S allows the user to control Andor's range of Spectrographs and cameras in a direct and responsive manner.

Key Features

- Full spectrograph and camera control within the same package

- Data export options SIF, GRAMS, ASCII XY, FITS

- Easy automation of your experiment with additional commands added to the AndorBasic programming language

- User defined background and data colors allow the user to optimize the screen under low light or low contract monitors

- Flexible data display: view your data in 2D, 3D, stacked and overlaid
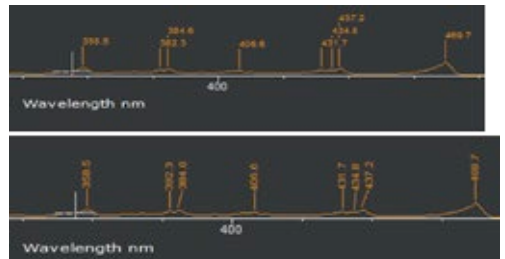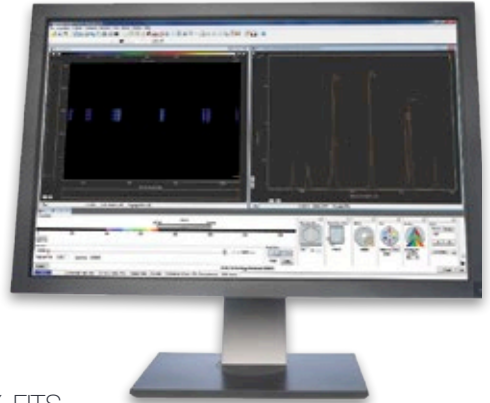
Effective peak labelling

Key Applications

- Photoluminescence

- Raman Spectroscopy

- Laser Induced Breakdown Spectroscopy (LIBS)

- Fast Multi-track Spectroscopy

- Hyperspectral Imaging

Key Products

Newton CCD & EMCCD cameras

iXon EMCCD camera range

Intensified cameras (iStar & iZyla)

iDus CCD

Shamrock. Holospec, Mechelle

Solis T

Software for time-resolved applications

Andor Solis T is the option for time resolved work and has additional features to enable control of the iStar camera range.

Key Features

- Easy configuration of the built-in Digital Delay Generator (DDG™) allowing you to fully control your ultra-fast gating requirements with minimum fuss

- Improved signal-to-noise with the "Integrate On Chip" function

- Advanced data spooling direct to hard disk allowing large data sets to be acquired

- Automatically locate your light pulse with Andor's unique temporal "Find Pulse" feature: automatically scans the optical window to locate the time period with the highest signal for a given time window, then sets the gate delay and width appropriately
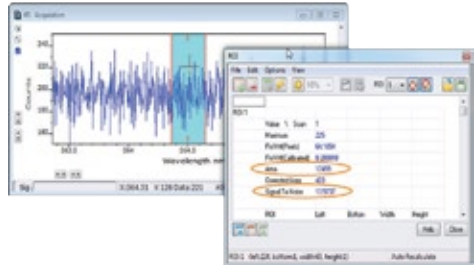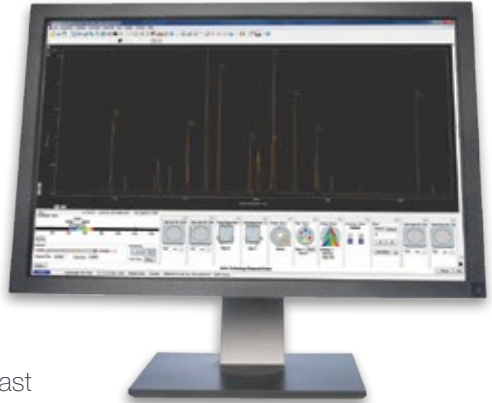
New region of interest measurements

Key Applications

- Laser Induced Breakdown Spectroscopy (LIBS)

- Laser Induced Fluorescence (LIF)

- Combustion

- Time-resolved Resonance Raman Spectroscopy

Key Products

Newton CCD & EMCCD cameras

iXon EMCCD camera range

Intensified cameras (iStar & iZyla)

iDus CCD

Shamrock, Holospec, Mechelle

AndorBasic

Programming made easy.

Solis has an extensive built-in programming language, AndorBasic, which has been specially designed to simplify even the most complex operations. For example, two images can be added and stored in a new data store by simply typing #3 = #1 + #2. Easy!

As AndorBasic can be used to program image acquisitions, automate file storage, communicate with external devices and manipulate data, you can build macros to automate your experiment.

Andor File Exchange New

Programming made easy.

- This new service available from Andor allows users to share and download code snippets and applications suitable for a range of Andor software packages.

- Do you have any custom code of your own, written for a specific or general purpose? Why not upload it, link to it from your own public profile and share it with the world at andor.com/exchange.

- Download, review and rate all the applications or contact the creator with any specific questions or requirements.

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