

VisiView 7.0 New Features

Standard new VisiView Features:

Windows 11 support

Language Support available

Ask Visitron for more information

Acquisition, GUI: Experiment time prediction

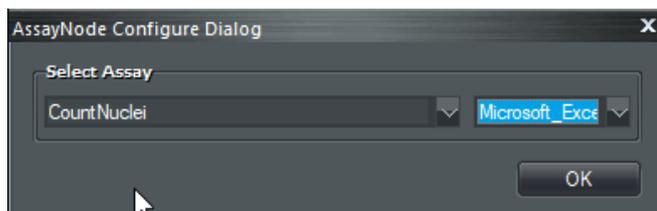
Acquisition Finish Time Forecast

The estimated finish time information of the currently running sequence is now available in the status bar



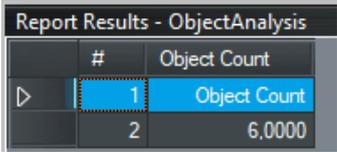
Acquisition: Assays capability

The new entry type *Assay* can be placed e.g. below an *Acquire entry*. It can be configured to load a setting saved from *Measure->Object Analysis*. This setting can be an AI or a standard filter-based segmentation setting name.



Assay

A saved Object Analysis calculation (AI or conventional) can be selected. The result can be reviewed in the Report Result Window or in Microsoft Excel or stored as a CSV file. These store options are only available when *Save Sequence to Disk* is activated in the Acquire dialog.



#	Object Count
1	Object Count
2	6,0000

Virtual Joystick support

Stage/Focus : Virtual Joystick

During a LIVE acquisition the stage X and Y and the Focus position can now be moved with the mouse:

Hold the ALT key down, so that the mouse pointer changes to the *Hand* symbol in the Live image. While the ALT key is down, you can move the stage x,y with the left mouse button pressed and moving the mouse.

Focus can be moved with the mouse wheel.

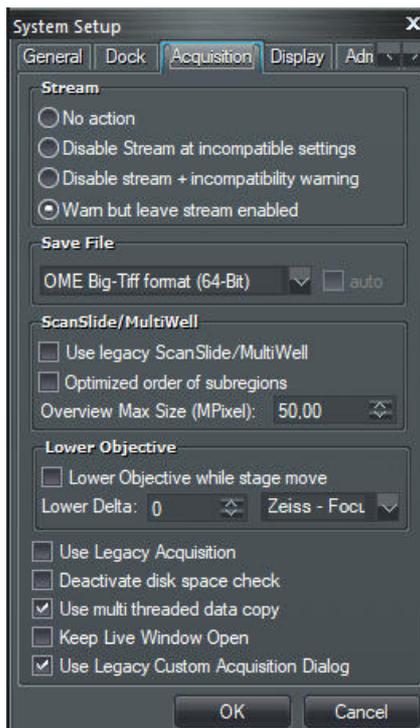
Storage of Live-Image

Acquisition

Live Window

You can choose now if you want the LIVE window closing automatically when you stop LIVE (default), or leave the window open.

To select your choice: Check or uncheck *Keep Live Window Open* accordingly in *Configure->System*



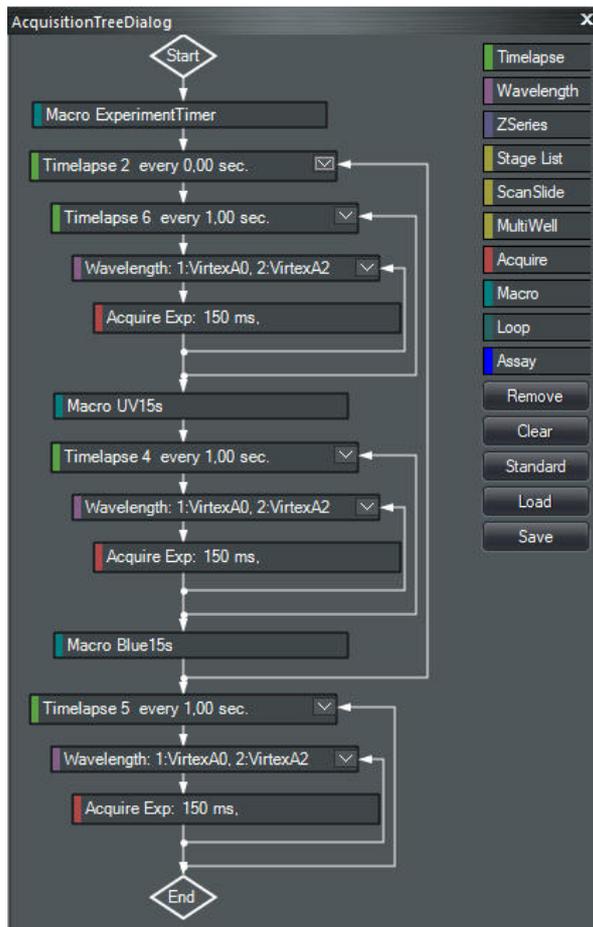
Custom Acquire: new GUI with graphical Editor

Custom Acquisition Dialog

The legacy layout for the Custom Acquisition protocol setting is line-based text.

The new option is a flow-chart layout.

To select your choice: Check or uncheck *Use Legacy Custom Acquisition Dialog* in *Configure->System*



Basler Camera

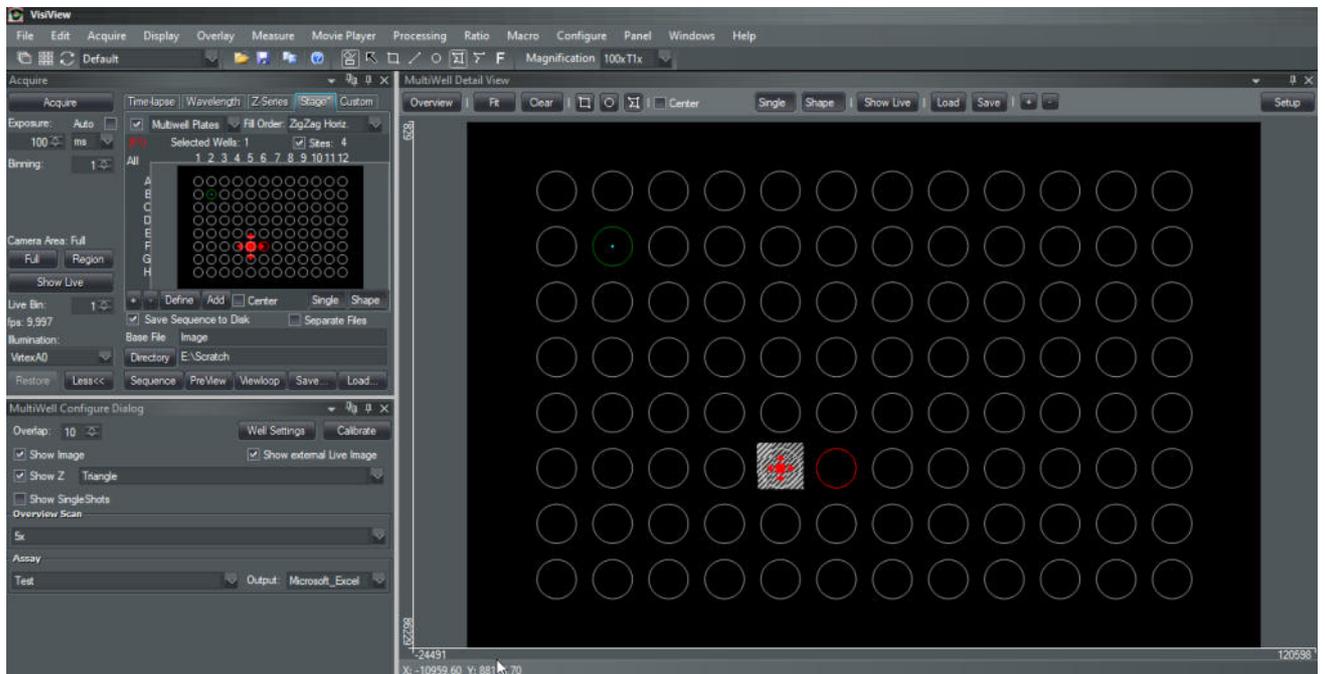
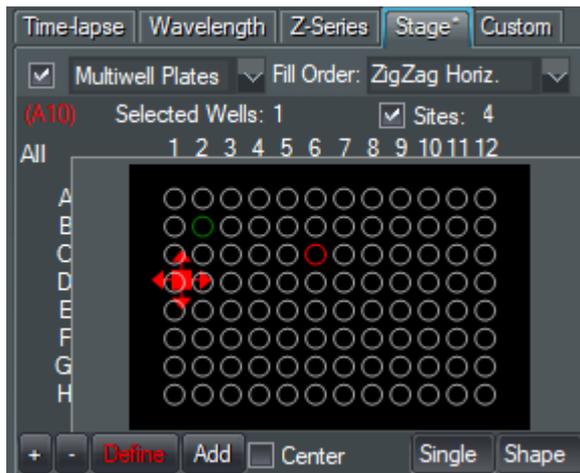
Pylon V.7.4 is now supported which is required under Windows 11

New Features for VisiView Options:

New MultiWell Screening module

Multiwell Acquisition

The *Multiwell* Acquisition has been completely rewritten and has a similar style now as the *Scan Slide* Acquisition



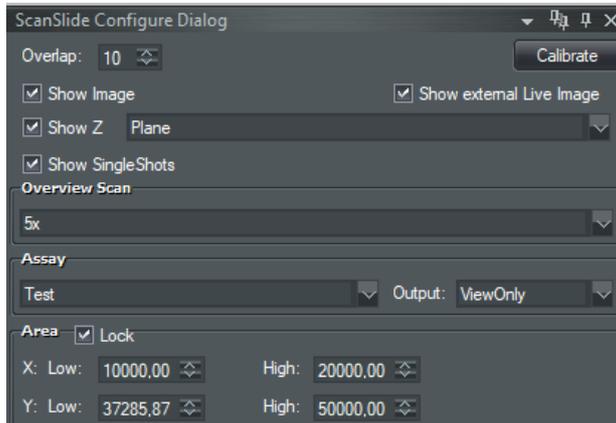
Report Results - ObjectAnalysis

	#	Source Name	Object Count
▶	1	Source Name	Object Count
	2	Image94_HeLa_WellF7_s4 (t=1)	6,0000

Additional ScanSlide functions

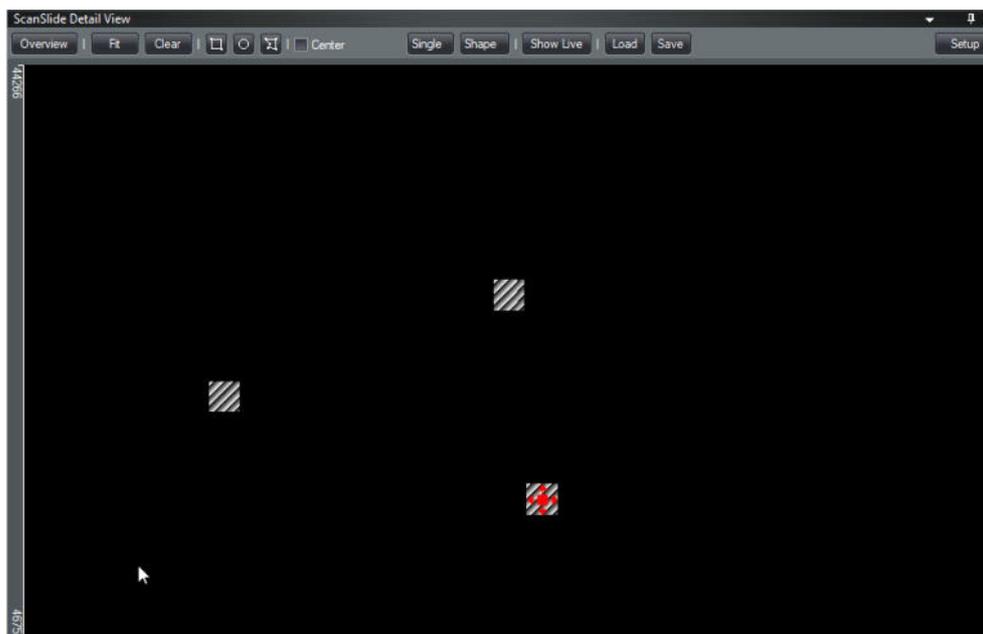
Scan Slide: New Features

The overview area can now alternatively be numerically defined.
The Area can be locked so that it is not possible to change it by moving the stage.



Triggered single shot sequences with ViRTE_x Illumination

With the *Show Single Shots* option, you can acquire a single shot at the current stage position by clicking the Acquire button. The image is shown at the appropriate position in the Overview window. Thus, instead of acquiring the complete overview area it is possible to acquire only certain regions of the overview area.

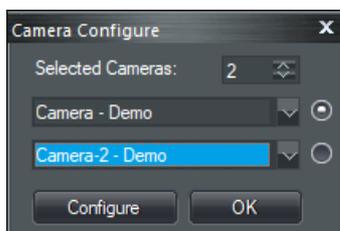


Moving the stage with the mouse by dragging the stage position icon has been possible only when Live acquisition was running. Now, moving the stage by mouse is always possible.

Multi-Camera support with different models, resolutions and manufactures

Multi Camera Acquisition

Is now possible for cameras with different types, even different manufacturers and resolutions. In Configure Camera you can now define multiple cameras even if they are not identical.

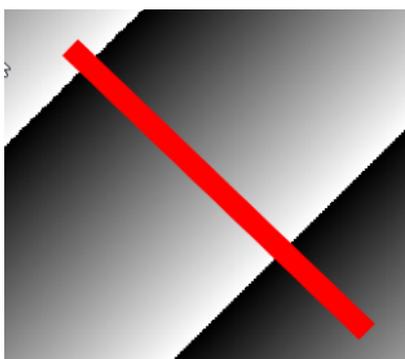
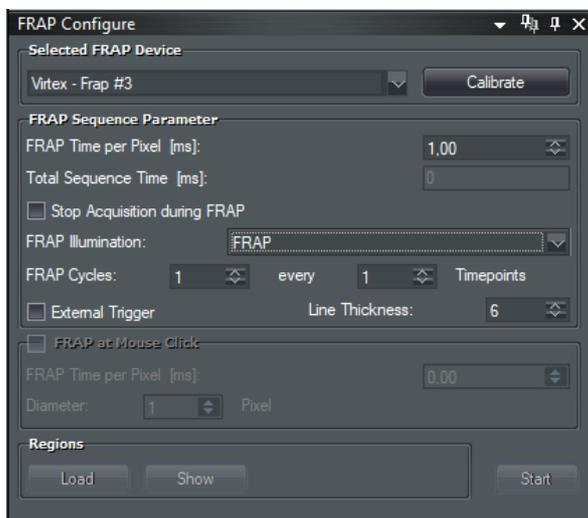


Non Stream Sequences with Virtex

Non-stream sequences are now acquired under Virtex control. This means that lasers (LEDs) are now switched on and off with the camera exposure signal. In earlier VV versions, the illumination devices have been switched by software only and thus had been on a while before and after the exposure.

Frap: Scanning of Thick Lines

It is now possible to FRAP thick lines. The thickness can be selected in the FRAP Configure dialog and will be represented in the image when the Load button has been clicked.



Upgrade RS232 Generic Device: Slider and Position implementation

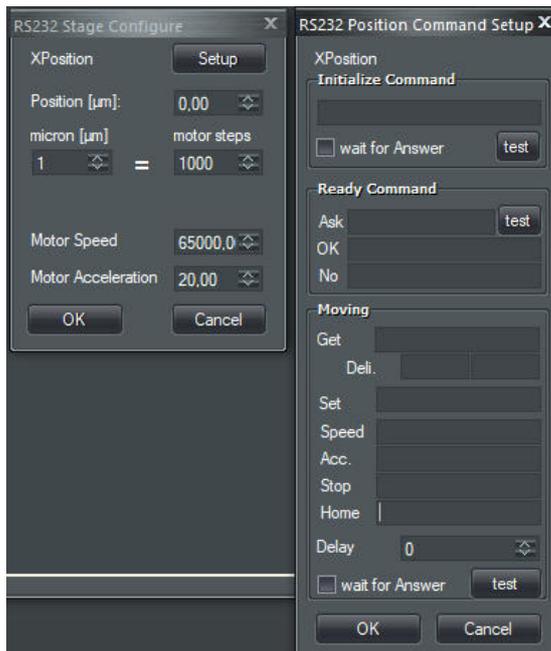
Device Control

The *RS232 Generic Device* has been enhanced.

This device allows to custom-define commands for COM devices.

In addition to the formerly supported components *Shutter* and *Filter Wheel* these new components are now available:

Stage X and Y Position

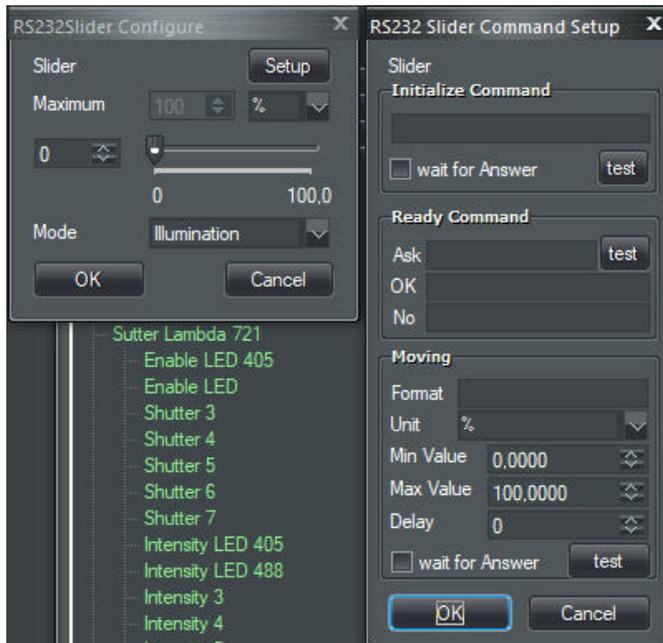


Moving/Get/Deli: There is one field for the return string preceding the return value and one field for the string delimiting the return value

Sliders

Defining a custom slider allows you to control e.g. the intensity of a laser.

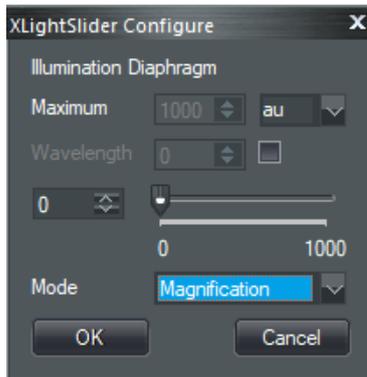
It can also be used as a dummy slider which can be put on the Control Panel and read out by macro for any use.



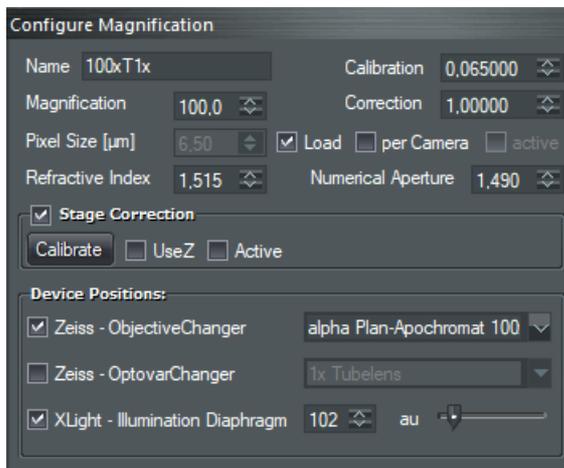
Crest XLight: Emission and Illumination Diaphragm selectable as magnification component

Crest XLight V3

Emission and Illumination diaphragm can be defined either as illumination or magnification component.



If defined as a magnification component then it appears in *Configure->Magnification* dialog as an additional slider element



Multi-camera acquisition is now supported with DeepSim