

VLI Analyzer

Description:

This application helps to analyze large images and image sets (including VLI) in chunks. Each region of interest splits by fields and each field extracted and analyzed separately.

User Interface:

Field Size (width, height) – defines the field size in the source image calibration units or pixels if the source image is not calibrated (the size of the area which will be extracted from the source image for analyzing).

Field Position (Include) – defines the frame position within the region of interest: Touching – any point of the field should be inside the region, Center – center point of the field should be inside the region, Inside – all points of the field should be inside the region.

Processing Before – defines the pre-processing macro.

Processing Loop – defines the analyze macro (run after each field extracted).

Processing After – defines the post-processing macro.

Save Snapshot – save each field snapshot (see Quick Save for Publication options).

Save Fields – save each field in the TIF file.

Destination folder – defines destination folder for snapshots and fields.

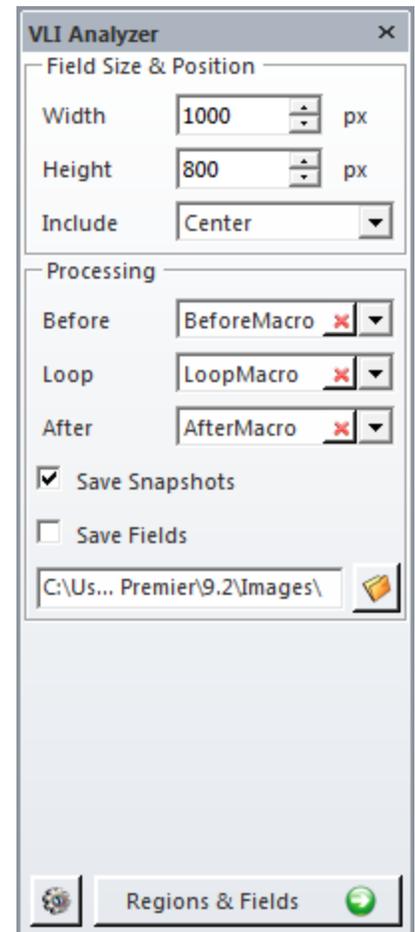


– select destination folder.



– open Options page.

Region and Fields  – go to the Region and Fields page.



The **Regions** group includes information about selected regions, the Reset Regions button and the regions table. The names of the regions are reported on the results page and could be changed in the table.

 Reset Regions – reset and prompt to draw new regions on the image:

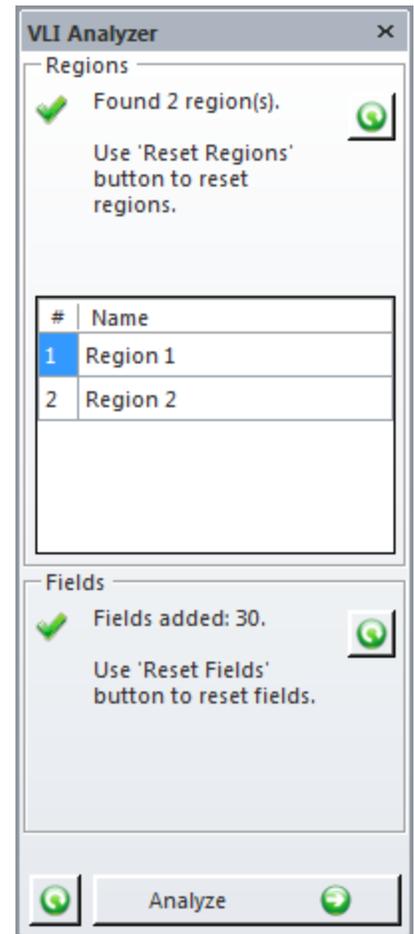


The **Fields** group includes information about calculated fields and the Reset Fields button. The calculated fields are displayed on the image.

 **Reset Fields** – reset and recalculate all fields on the image.

 – back to Setup page.

Analyze  – starts analyzing routine.



Note:

App requires at list one field, otherwise “Analyze” button will be disabled.

Field Color –the color of the fields on the source image.

Field Margin (%) – the field margin as percentage of the field size.

Field Image Name Format – the VB construct defines the field image name and file name (Ex: {SOURCE} Region {REGION} Field {FIELDNUM} Date {DATE} Time {TIME}).

Use Source Image Folder – save field images into the source image folder.

Clear Regions – clear the regions on the source image.

Cancel Warning – show the cancel warning.

Region to ROI – convert region outline to field ROI

Image Set Save Format – select images set save format for field image sets.

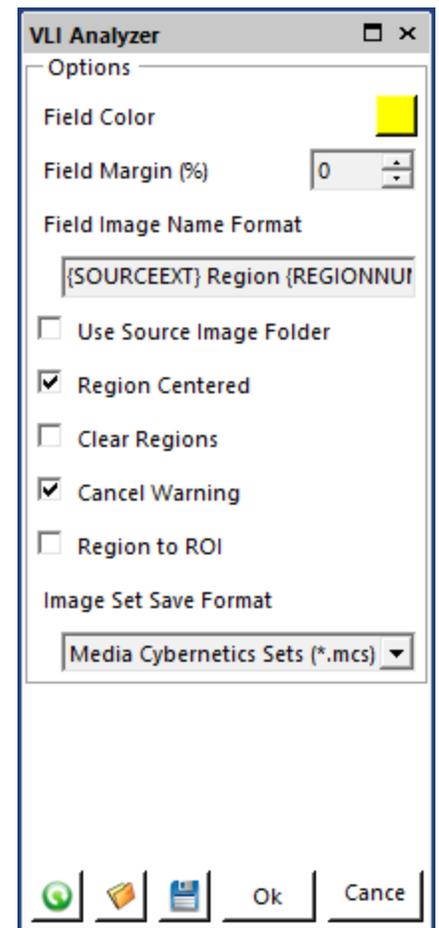
 – reset options to the default,

 – load options from the file,

 – save options into file,

Ok – save changes and close Options page,

Cancel – close Options page without saving changes.



Note:

The Field Image Name Format supports the following fields:

{SOURCE} - source image name without extension, {SOURCEEXT} - source image name with extension

{REGION} - region name (Text), {REGIONNUM} - region number, {REGIONINDEX} - region index

{FIELDNUM} - field number within region, {FIELDINDEX} - field index within region

{FIELDNUMG} - field number global, {FIELDINDEXG} - field index global

{DATE} - current date, {TIME} - current time

