




Show or hide the Browser window 
Click **File – Show Browser** or **F2** to show the **Browser** window. The **Browser** displays the loaded data (image files, data files or folder contents).


Chose from the available cameras
The supported cameras are listed and you can chose the camera and the mode (monochrome, color, bit-depth).


Explore commands on the ribbon
Each ribbon has tab has groups and each group has a set of related commands. Commands and tools are inserted into the linear pipeline.

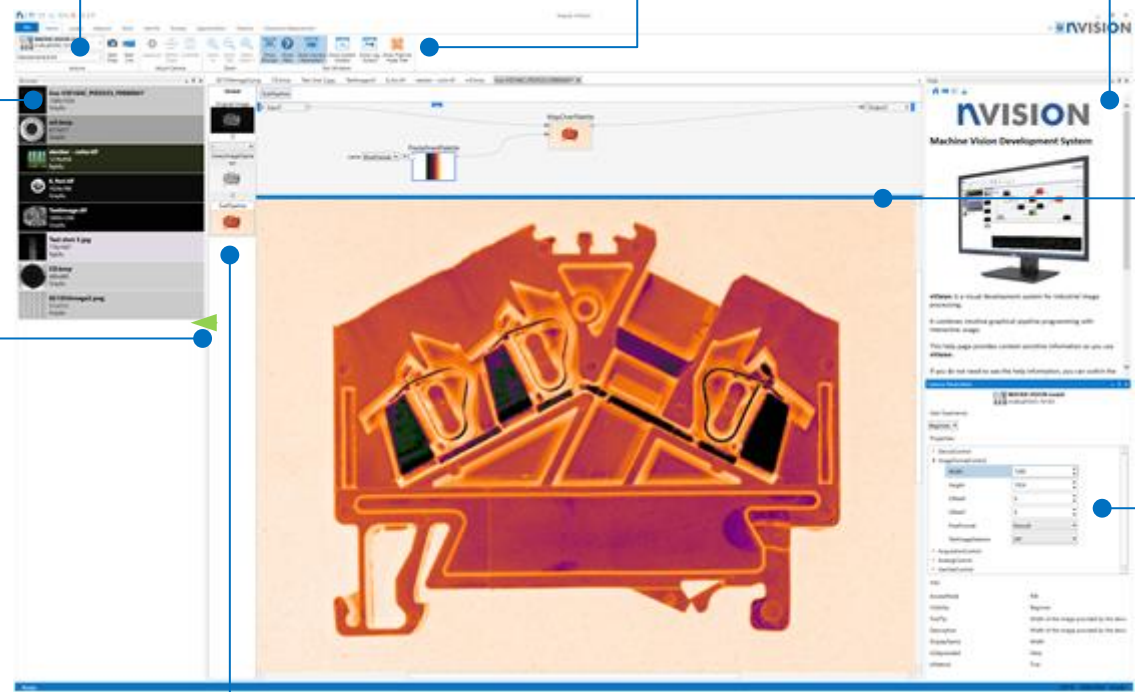
Show or hide the Help window 
Click **File – Show Help** or **F1** to show the **Help** window. The contents of the **Help** window is sensitive to your actions.

Take snapshots of image data 
At any time you can use the **Commit** command to copy the processed data to the **Browser**.


Drag down the blue splitter bar of a sub-pipeline step to reveal the graphical program. Right-click into the pipeline pane to insert pipeline nodes and connect their inputs and outputs to build a graphical program.

Watch videos to learn more 
<https://www.youtube.com/playlist?list=PLt5L1kEm4wVenl5cAUbekgxvlgSfVVtr>.


Read and write camera parameters 
The parameters of any **GenICam** compliant camera can be changed with the **Camera Parameters** window or within a graphical program (**File – Show Camera Parameters** or **F3**).



The linear pipeline
Shows the flow of commands or tools. Commands are single, atomar steps, while tools are implemented as sub-pipelines, usually with a customized GUI.

Explore Samples 
Samples are listed in the **Help** window and can be loaded by a single click.

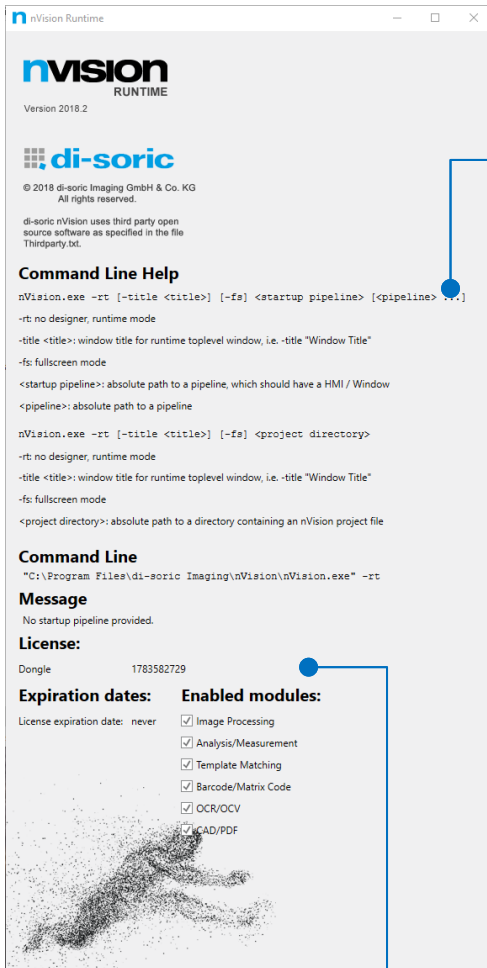
Pipelines are graphical programs.
They are stored alongside an image file (`image.tif` <-> `image.tif.xpipe`) or a folder containing image files (`folder` <-> `folder.xpipe`), or can be exported and imported separately.

Read the nVision User Guide 
Valuable information can be found at <http://nvision-user-guide.readthedocs.org>.

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Start the nVision Runtime with -rt flag:

nVision.exe -rt

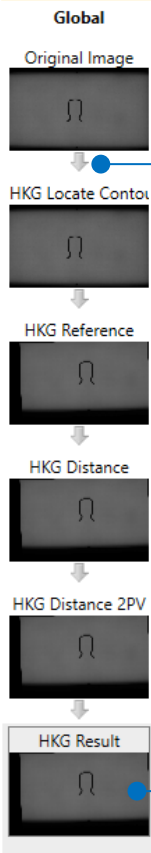


Command Line Help:

nVision.exe -rt [-tile <title>] [-fs] <startup pipeline> [<pipeline> ...]

-rt: no designer, runtime mode
 -tile <title>: window title for runtime toplevel window, i.e. -title "Window Title"
 -fs: fullscreen mode
 <startup pipeline>: absolute path to a pipeline, which should have a HMI / Window
 <pipeline>: absolute path to a pipeline

Linear Pipeline

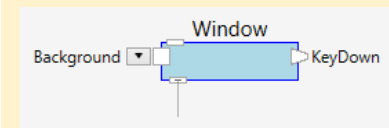


Attention: difference between Designer and Runtime!

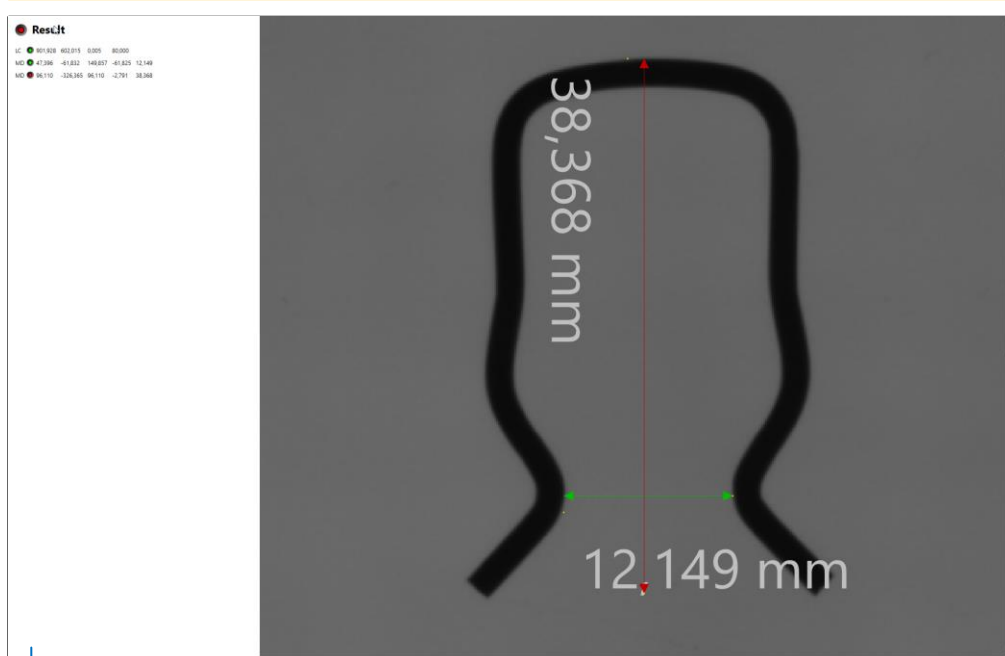
Since the Runtime does not load an image, but a pipeline only, there is no image loaded in runtime mode. The image on the first connection will be null.

HMI (Human Machine Interface, GUI)

The HMI of the application is taken from the **Window** node in the last step in the linear pipeline of the first application.



Application HMI



Tip: You can use the **File -> Export Runtime Link ...** command of the **Designer** to create a shortcut link to start the **Runtime**.

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Licensing information:
 Shows licensing information.

nVision 2018.2