AIO (All-In-One) Viewer

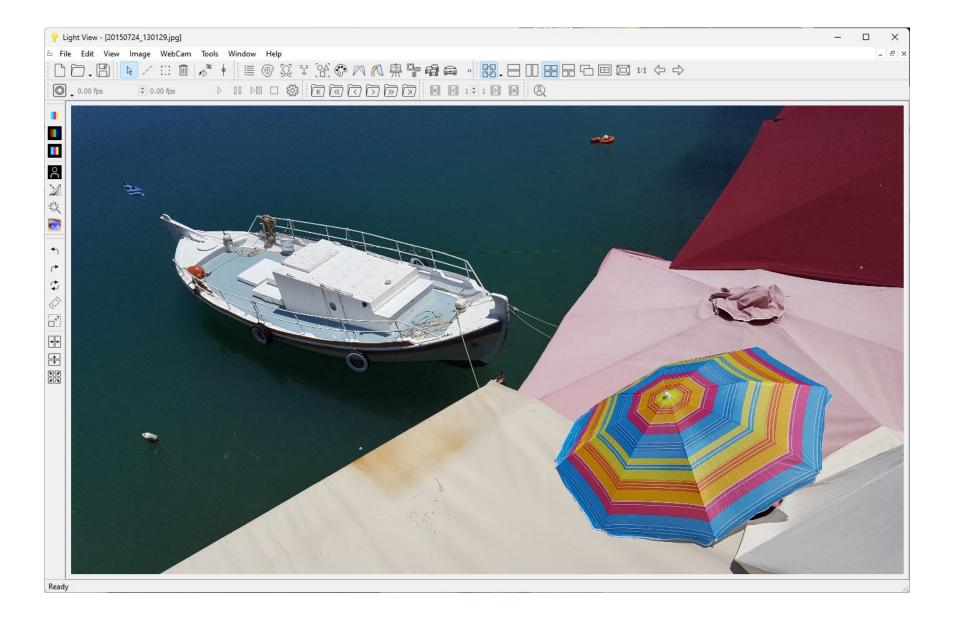
AIO is a novel productivity-oriented visualization framework that integrates diverse media types: images, 3D models, videos, live streams, cameras, and web content into a unified, interactive workflow. Designed for efficiency and versatility, it streamlines visualization, analysis, and processing, making it an essential tool for imaging professionals and enthusiasts alike.

AIO makes it possible to simultaneously visualize different media types side by side with overlays and more. It also enables image processing and AI inference models to detect objects, text, and faces, as well as associate or recognize faces.

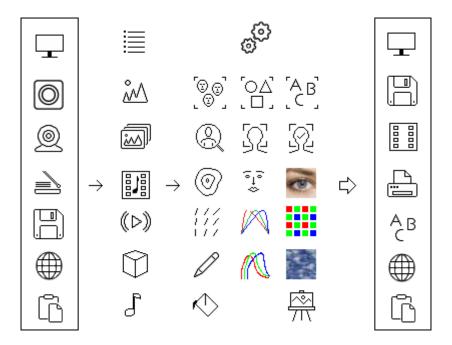
Synchronization:

AIO Viewer can synchronize any operation applied to one media to all other loaded media.

AIO Viewer is under continuous development and feature requests are always appreciated.



Features:



Side-by-side view of still and multi-page images, videos, web-views, web and industrial cameras, live 3D objects and audio content.

Fast synchronized operation:

Pan/scale/rotate and more transforms.

Image processing/enhancement/editing.

Object & face detection and classification on your local files.

Color space and bit depth conversion

Passive and generative filters/effects

Web connections

Interoperability

And more...

Created for visual consumers everywhere, at home, at the office and content creators.

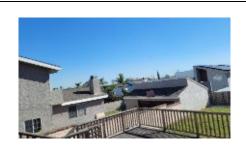
AIO Viewer offers different value to different users.

It's a content creators playground of interoperability.



Image Stitching





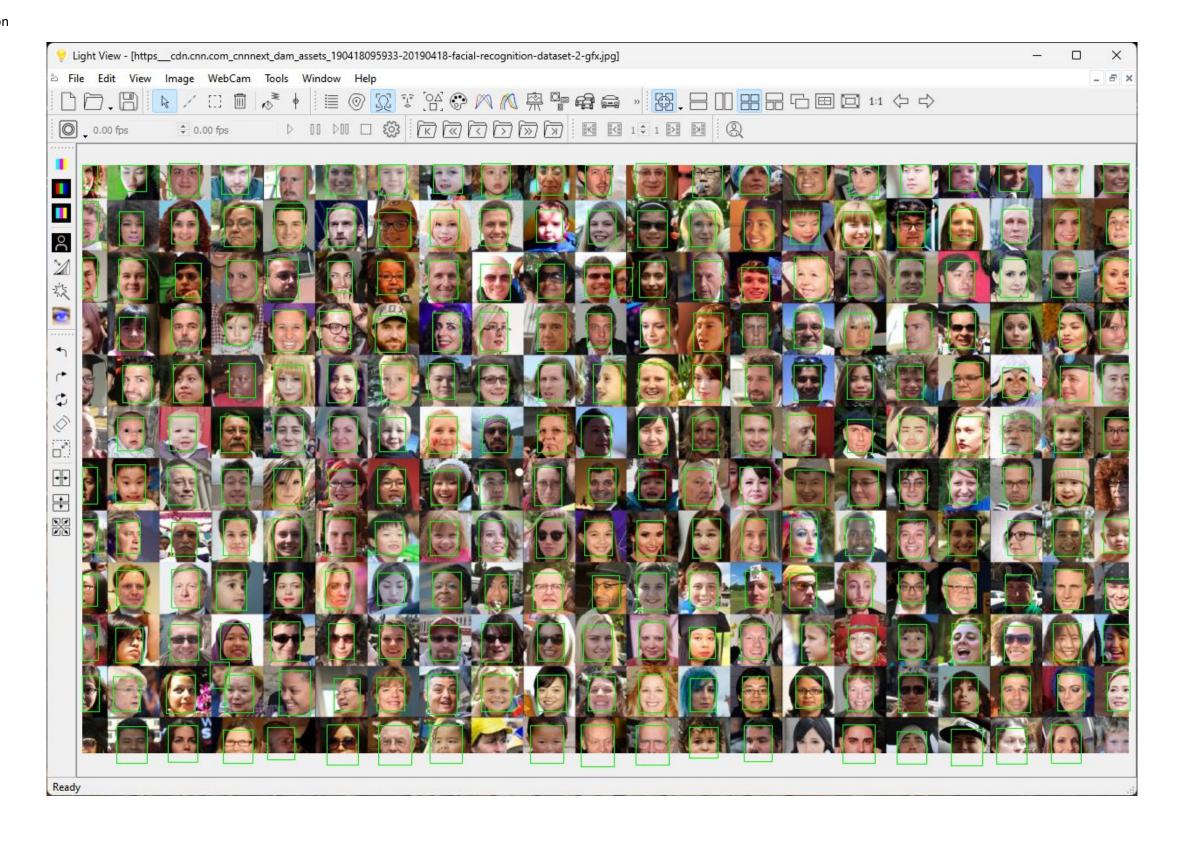








Face Detection





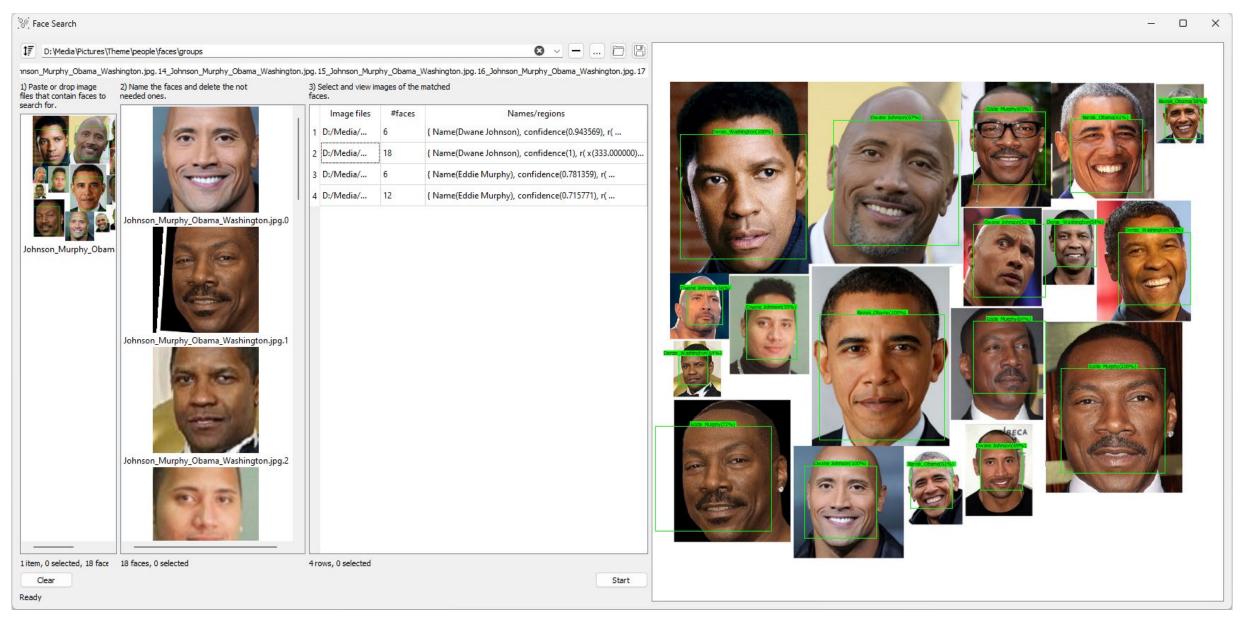
Face Association

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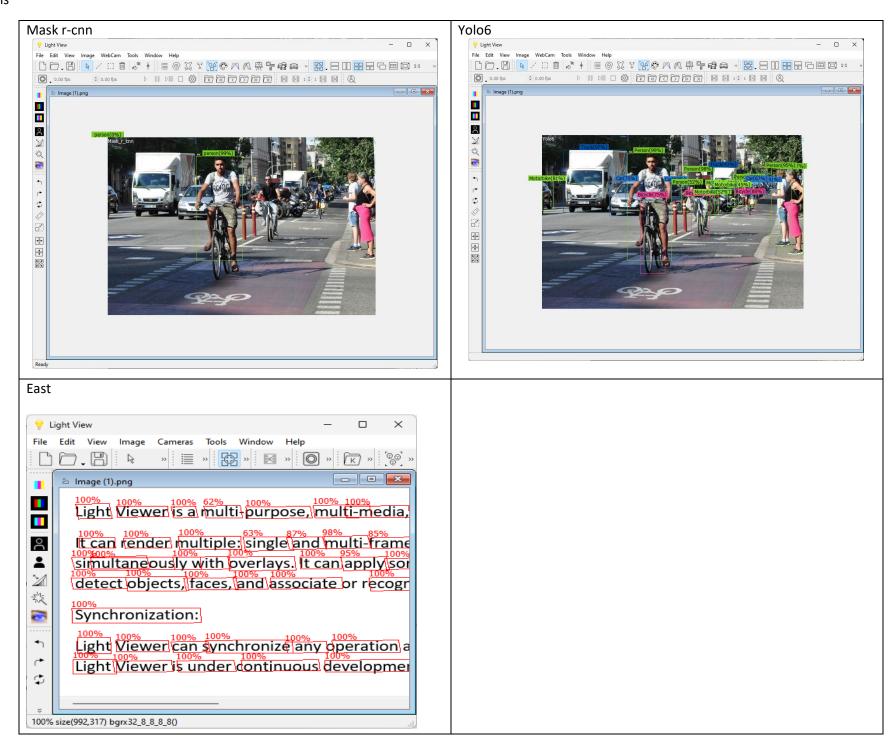
Profession (S)

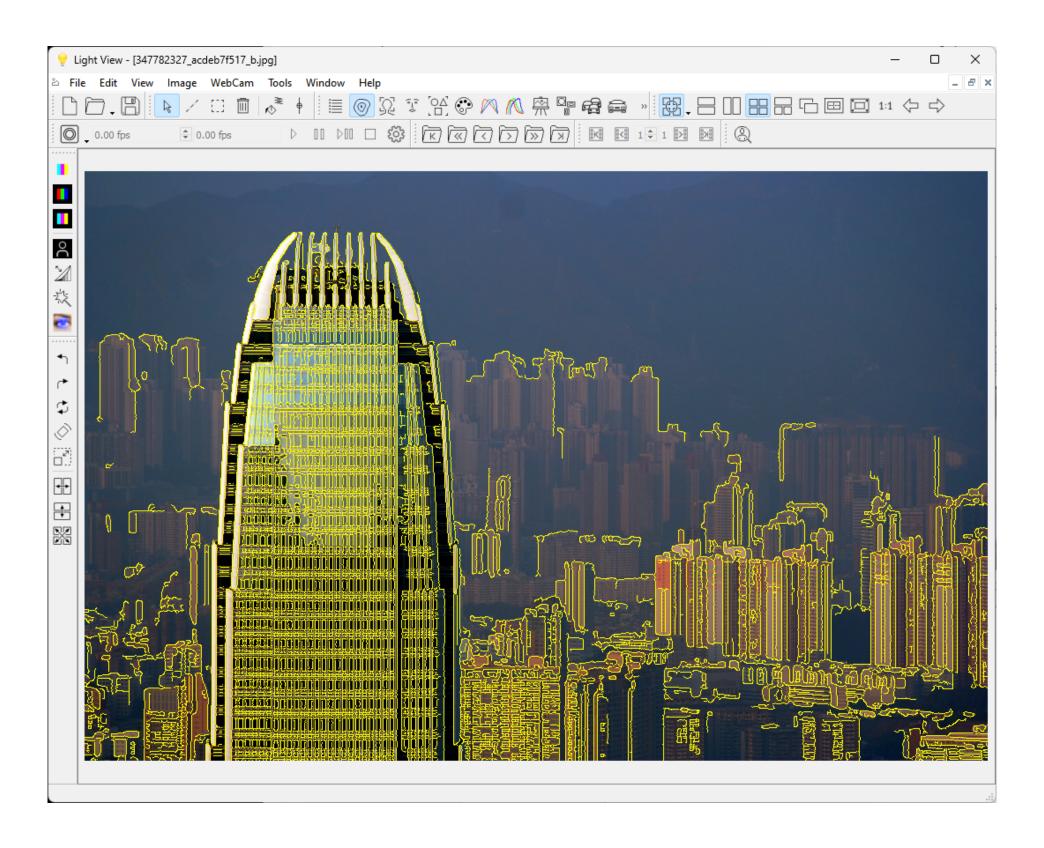
Face Search



Search faces in files located on your own drives.

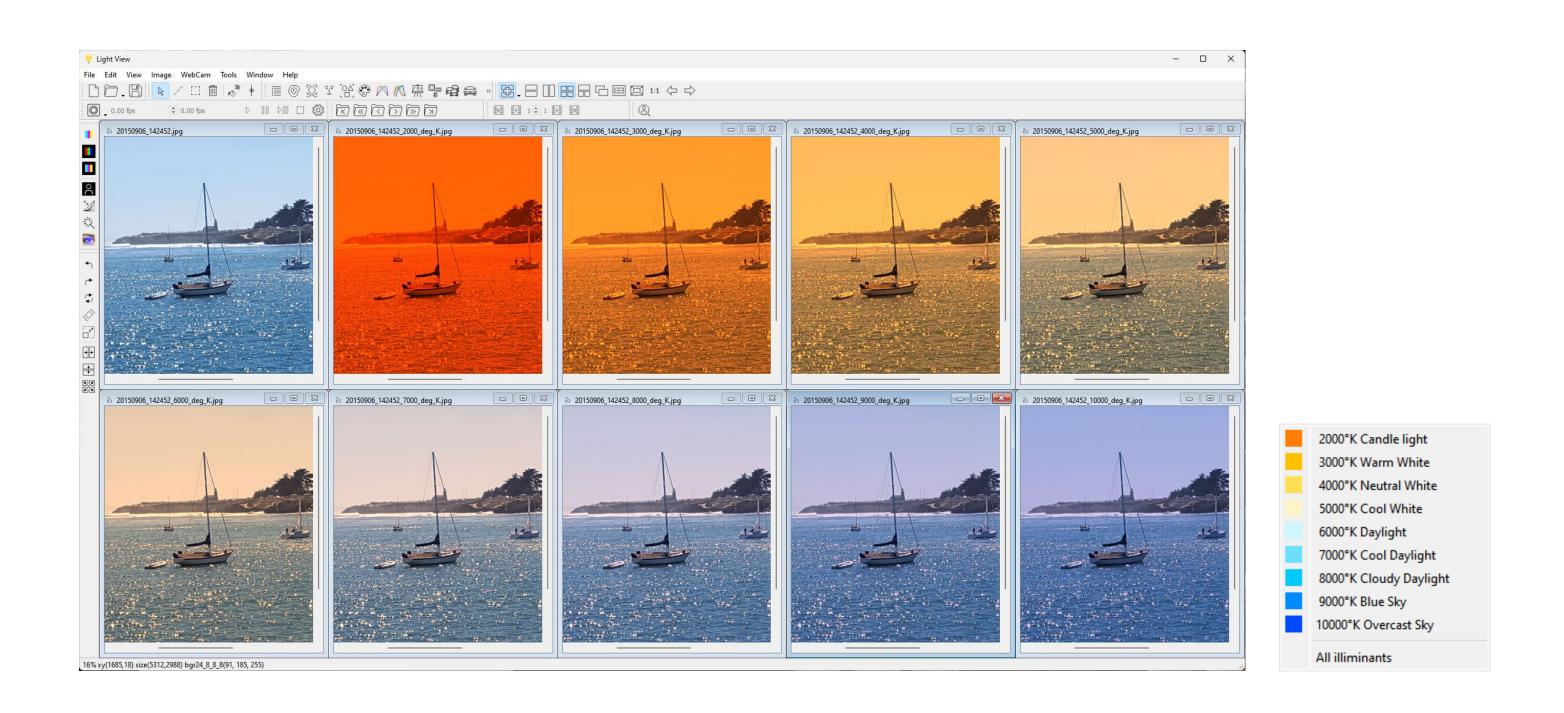
- 1) Drop a few files in the 1st pane.
- 2) All detected faces will show up in the 2nd pane.
- 3) Name the individuals detected and/or remove some.
- 4) List a few folders on any drives where you would like the search to take place.
- 5) Now let it search and find them in your collection of images and folders.
- 6) Discovered images will be listed in the 3rd pane, with names and image positions.
- 7) Select a file in the 3rd pane and it will appear in the last and 4th pane with the names and rectangles annotated in that image.
- 8) Double click a file name and it will appear in the app view for further work .

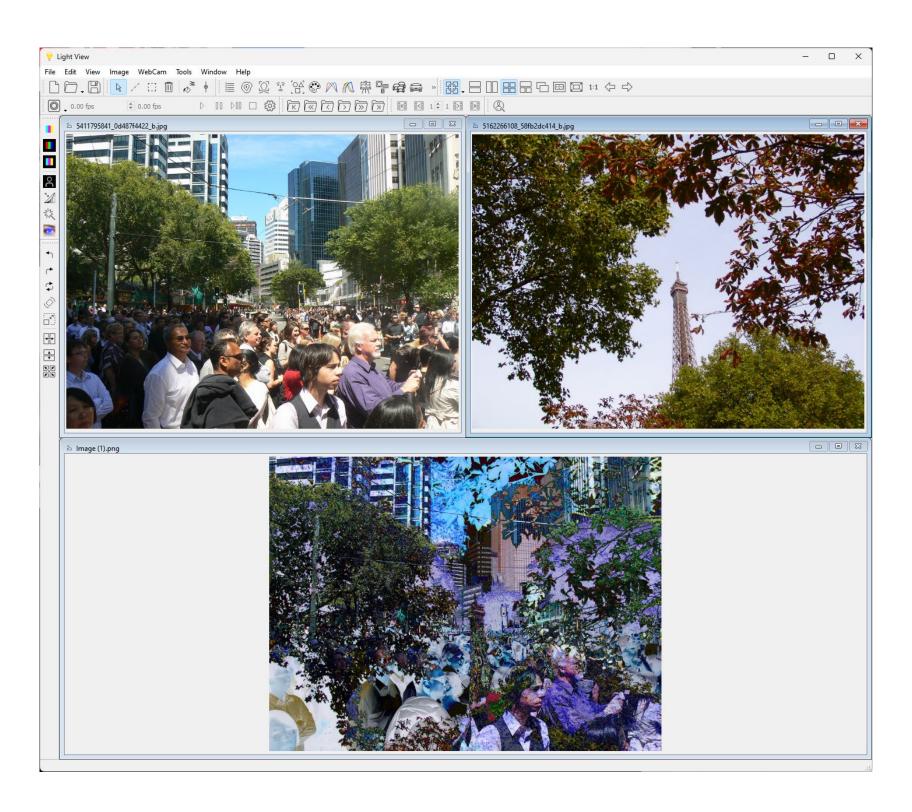




Histogram Equalization: Global / Local







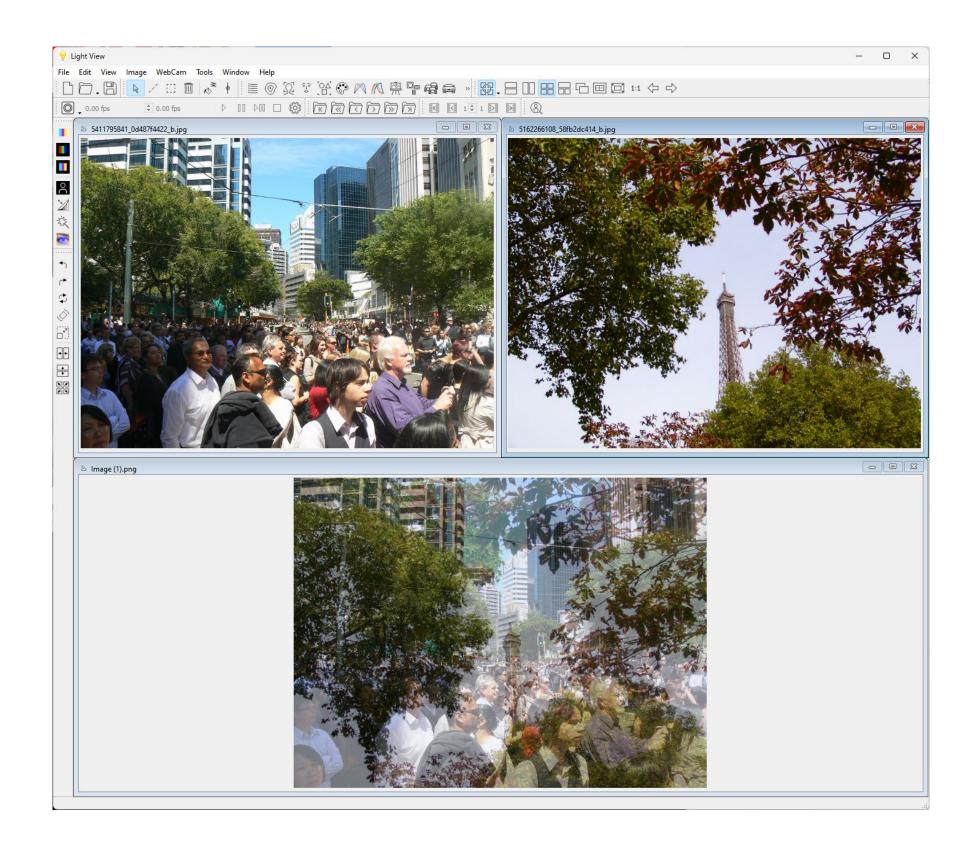
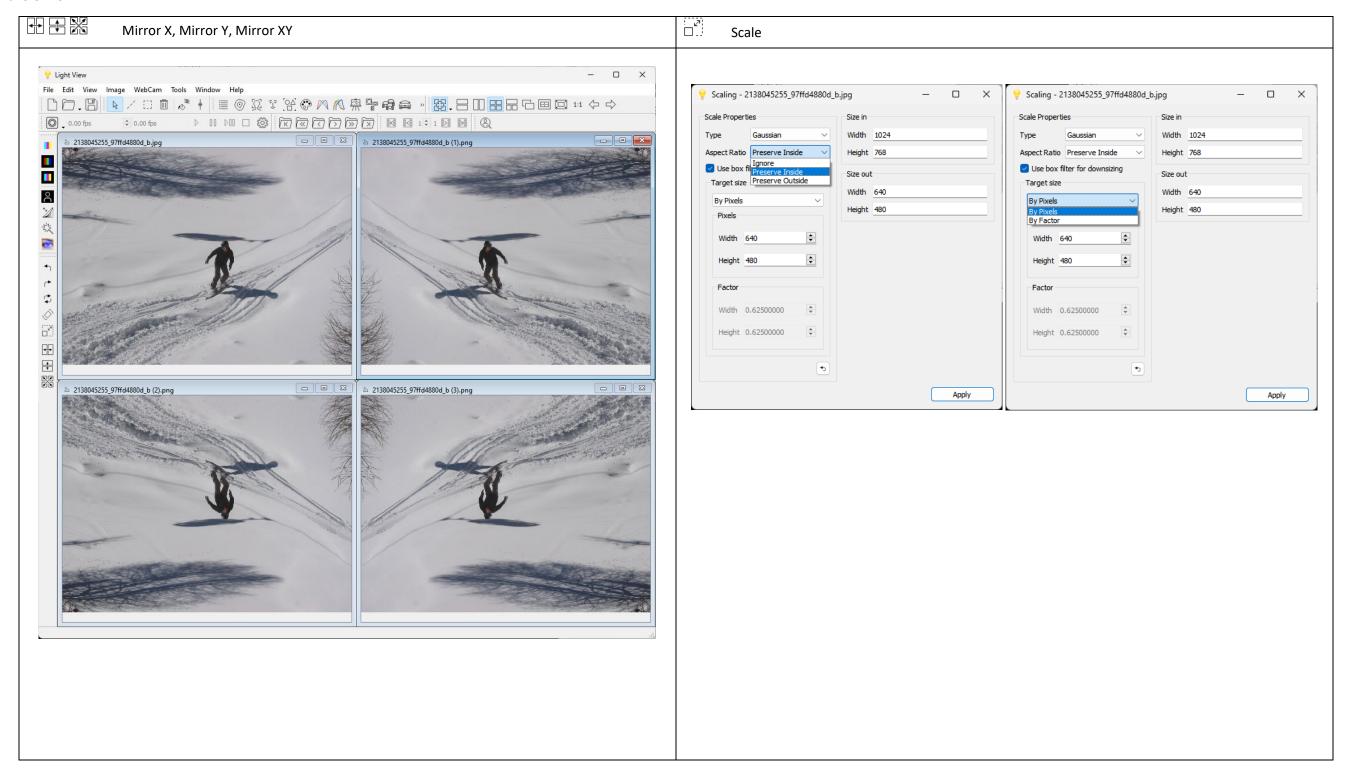
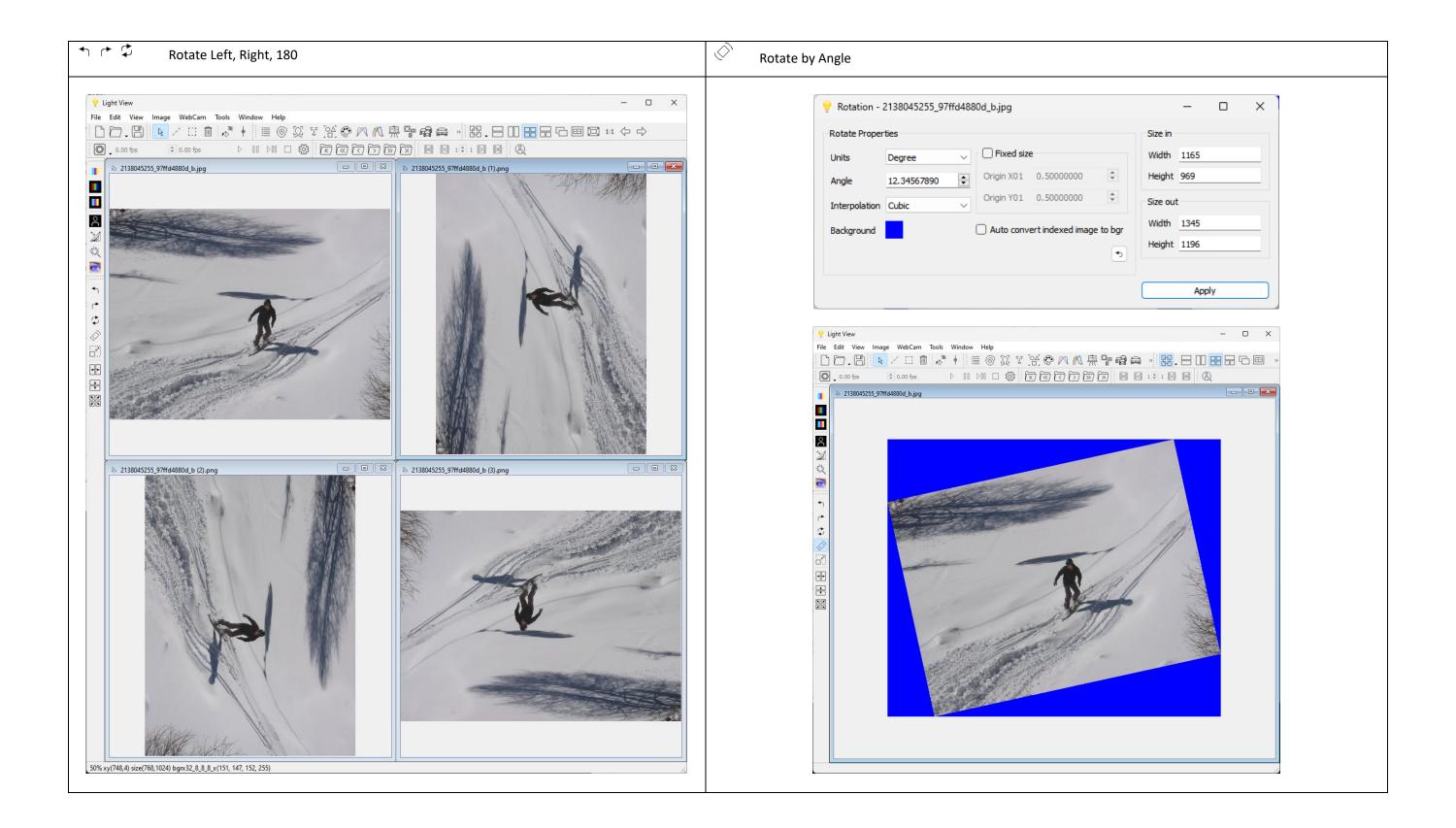
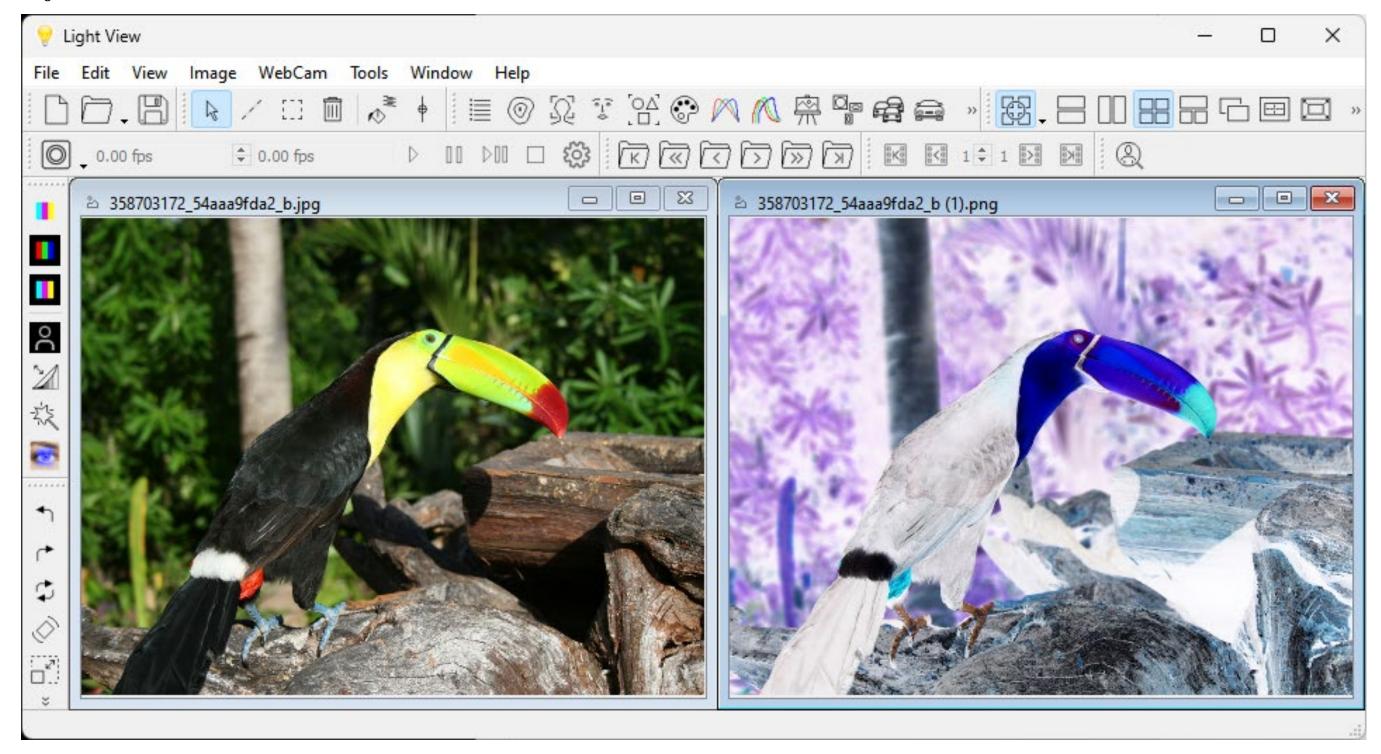
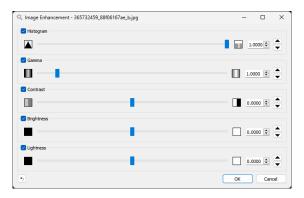


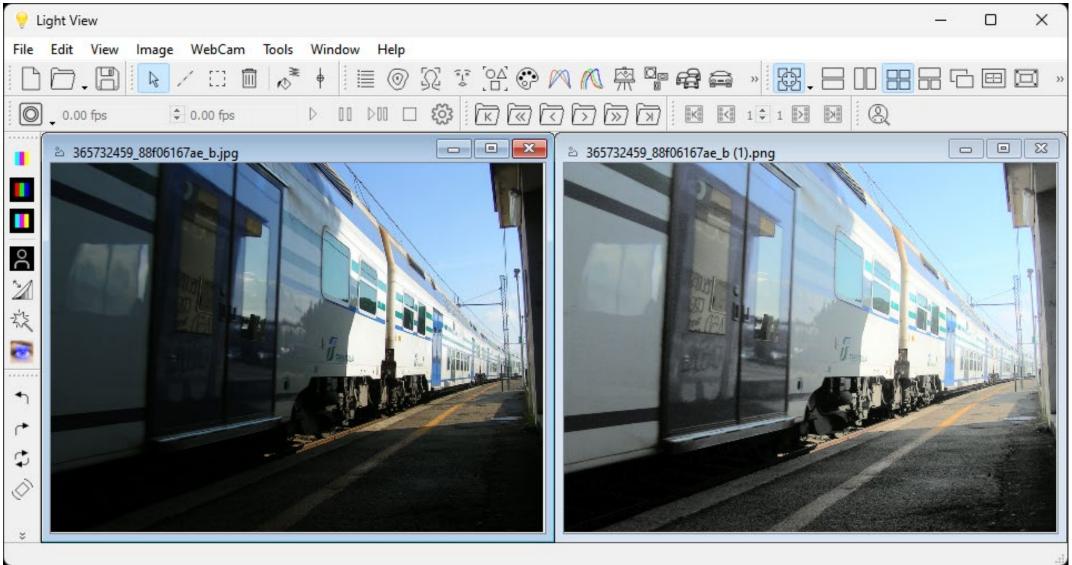
Image Transforms

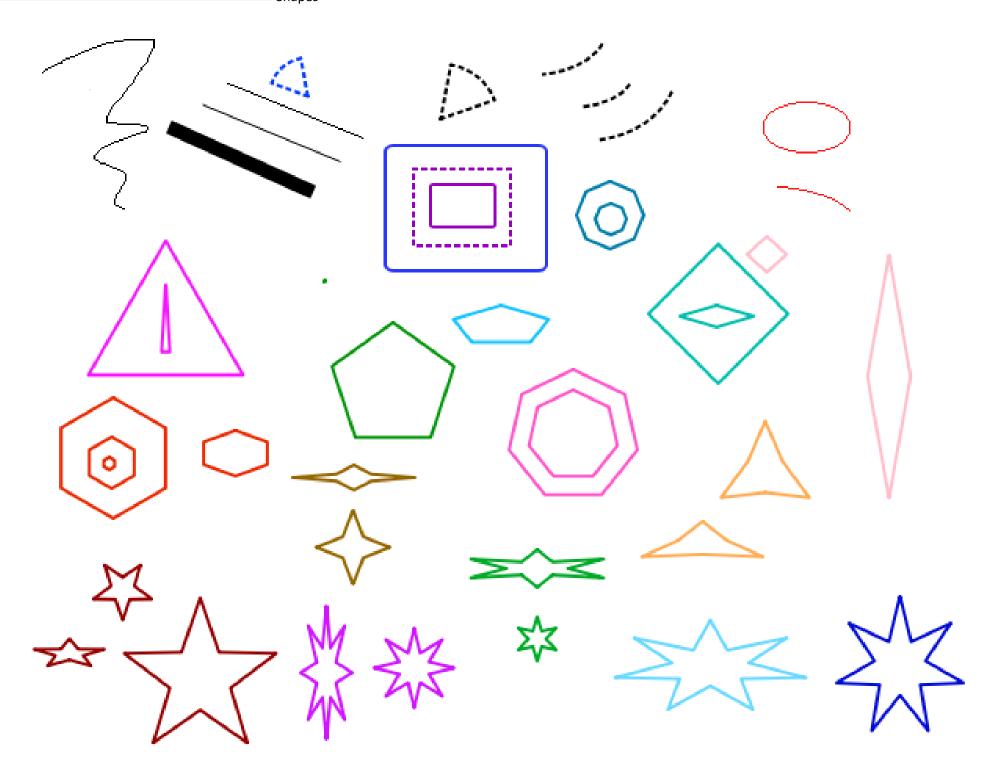






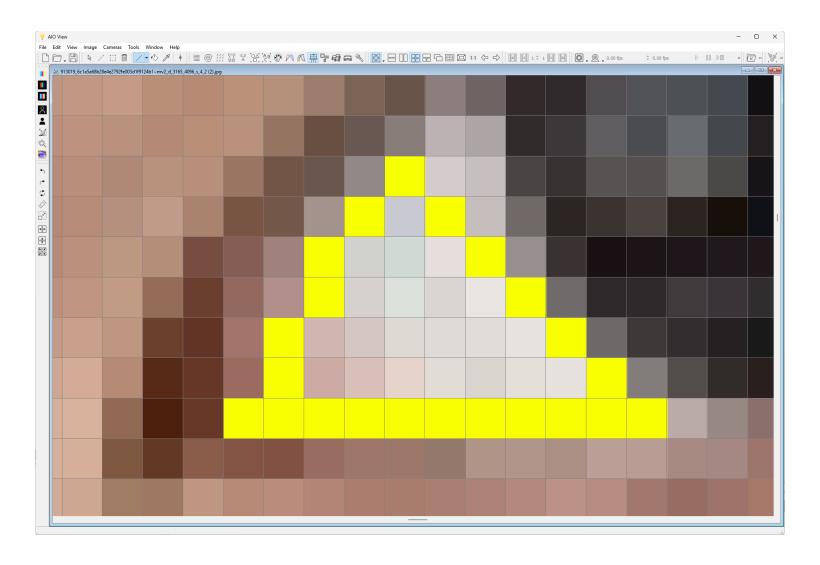




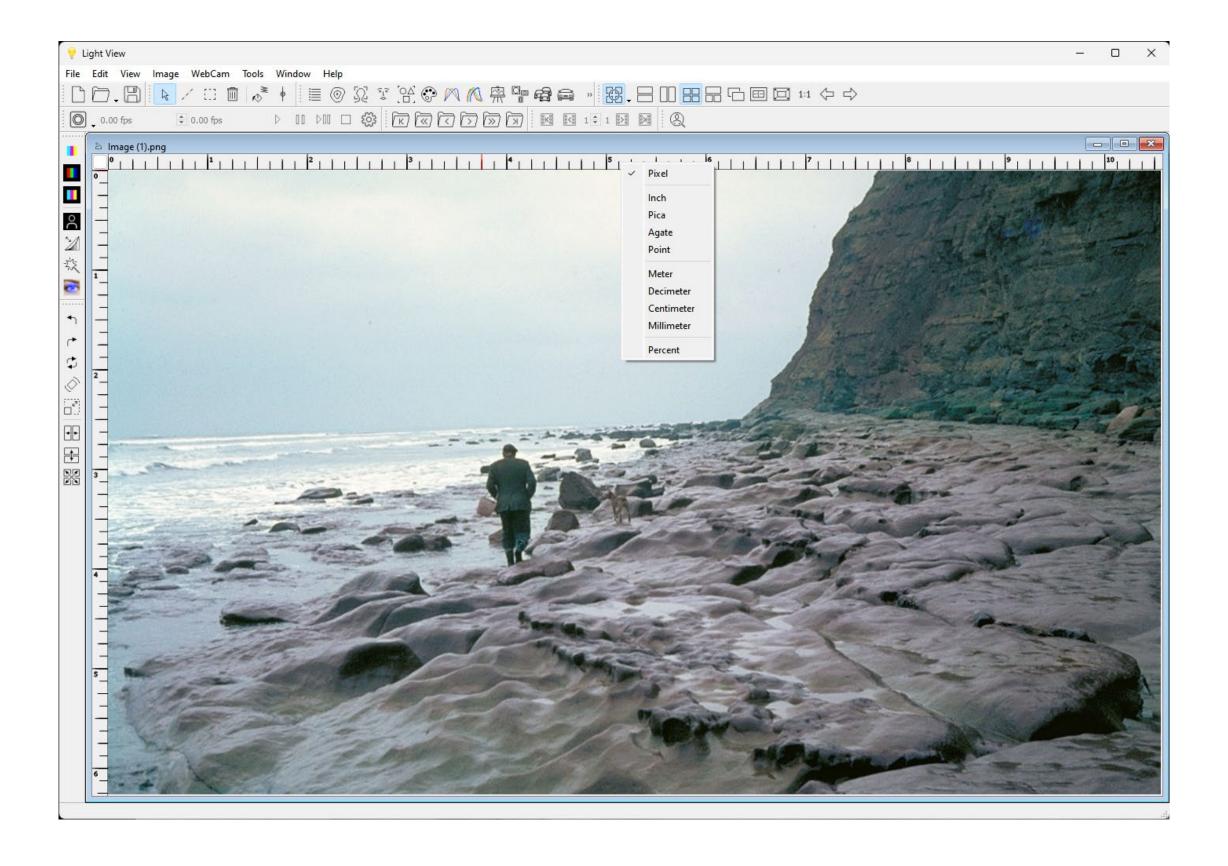


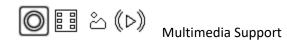
Freehand and structured shapes with or without symmetry and aliasing.

Pixel control



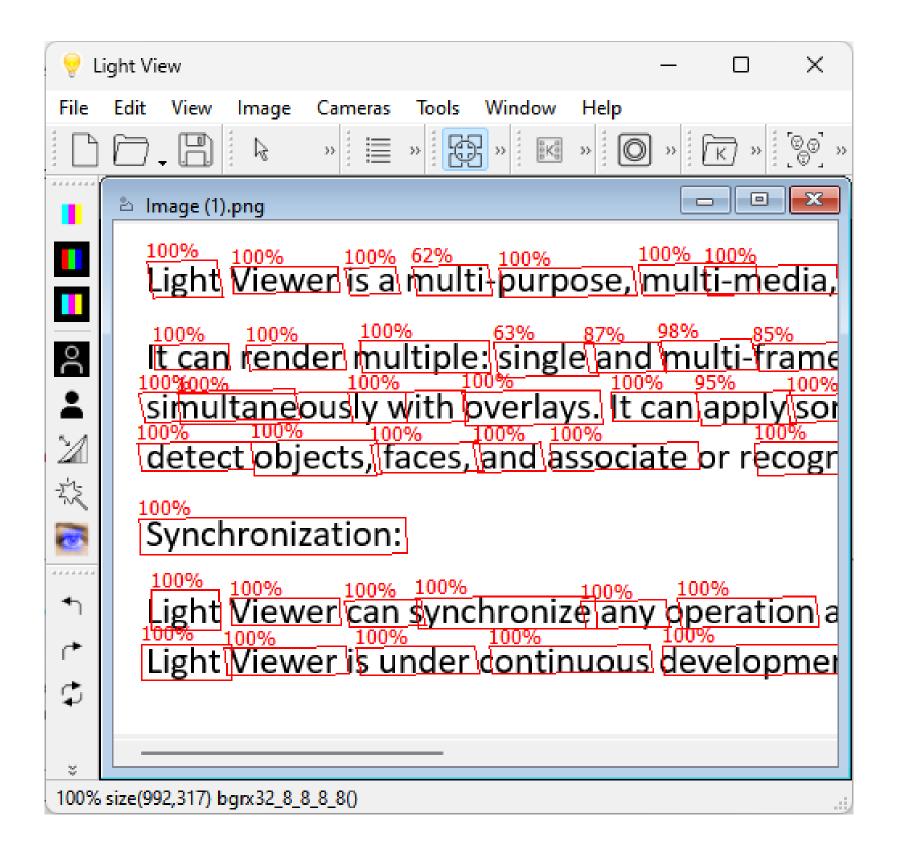
Precise pixel access.

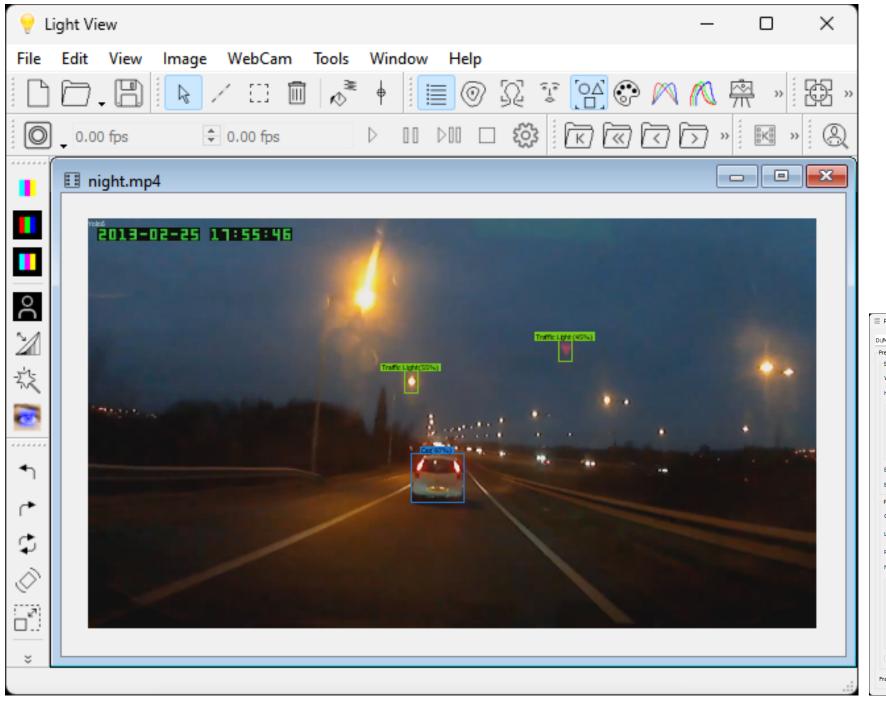


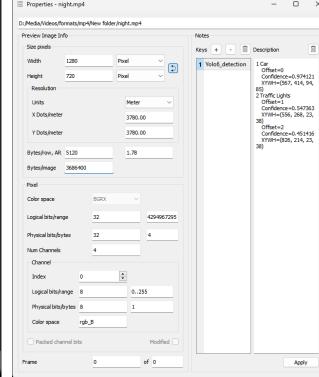


Live and simultaneous: Industrial and Web cameras + Video + Still + Multipage Still + WebView





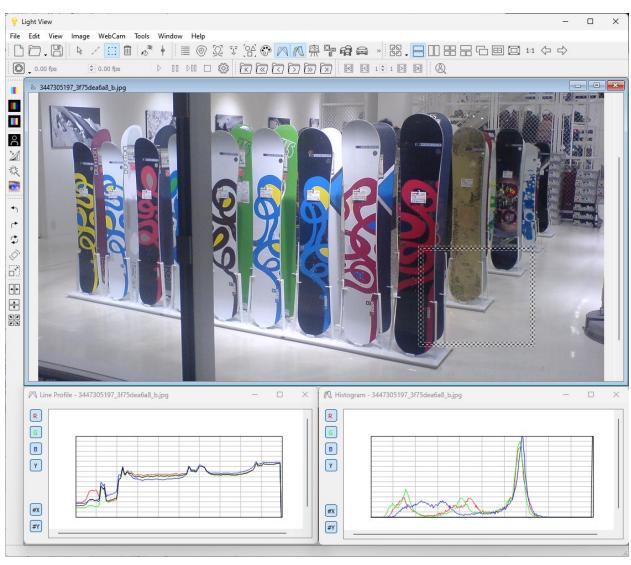




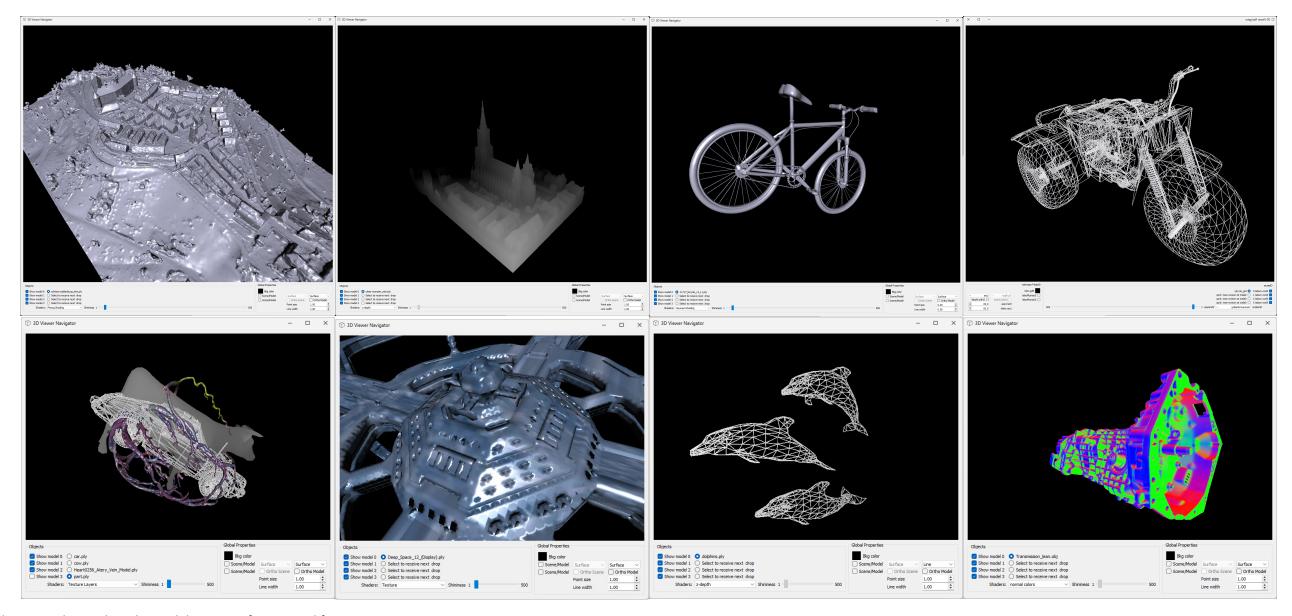








3D Models



Various rendering modes, with multi-model scenes, of various 3d formats.



