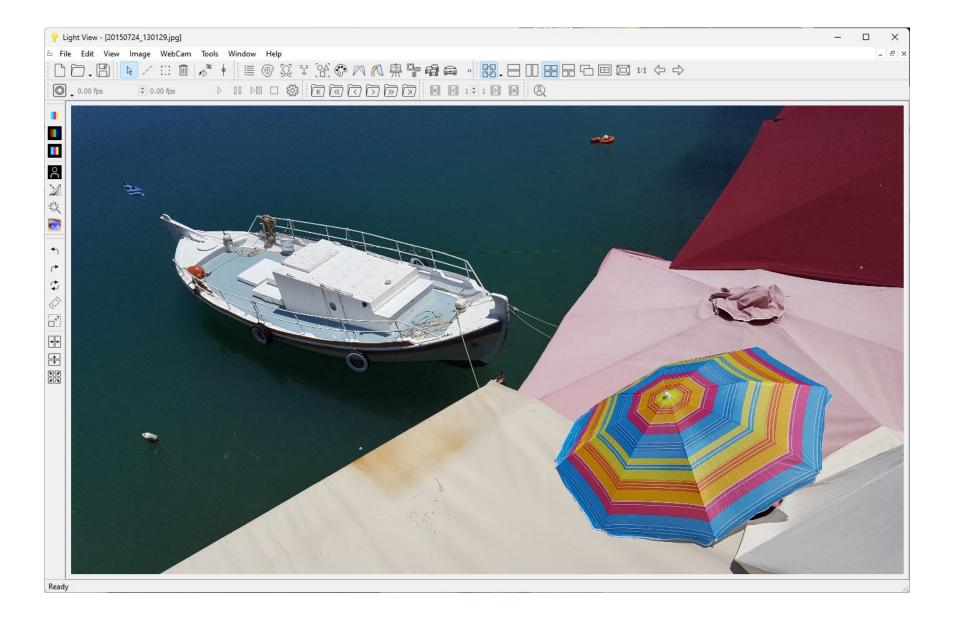# AIO (All-In-One) Viewer

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.
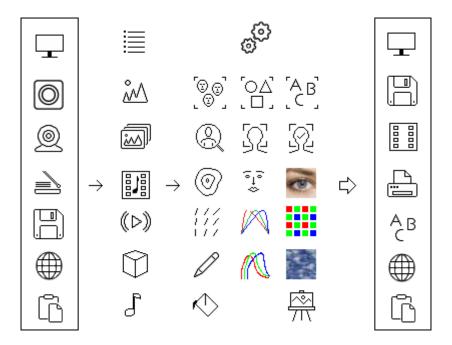
Synchronization:

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…

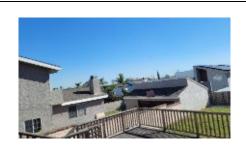Created for visual consumers everywhere, at home, at the office and content creators.

AIO Viewer offers different value to different users.
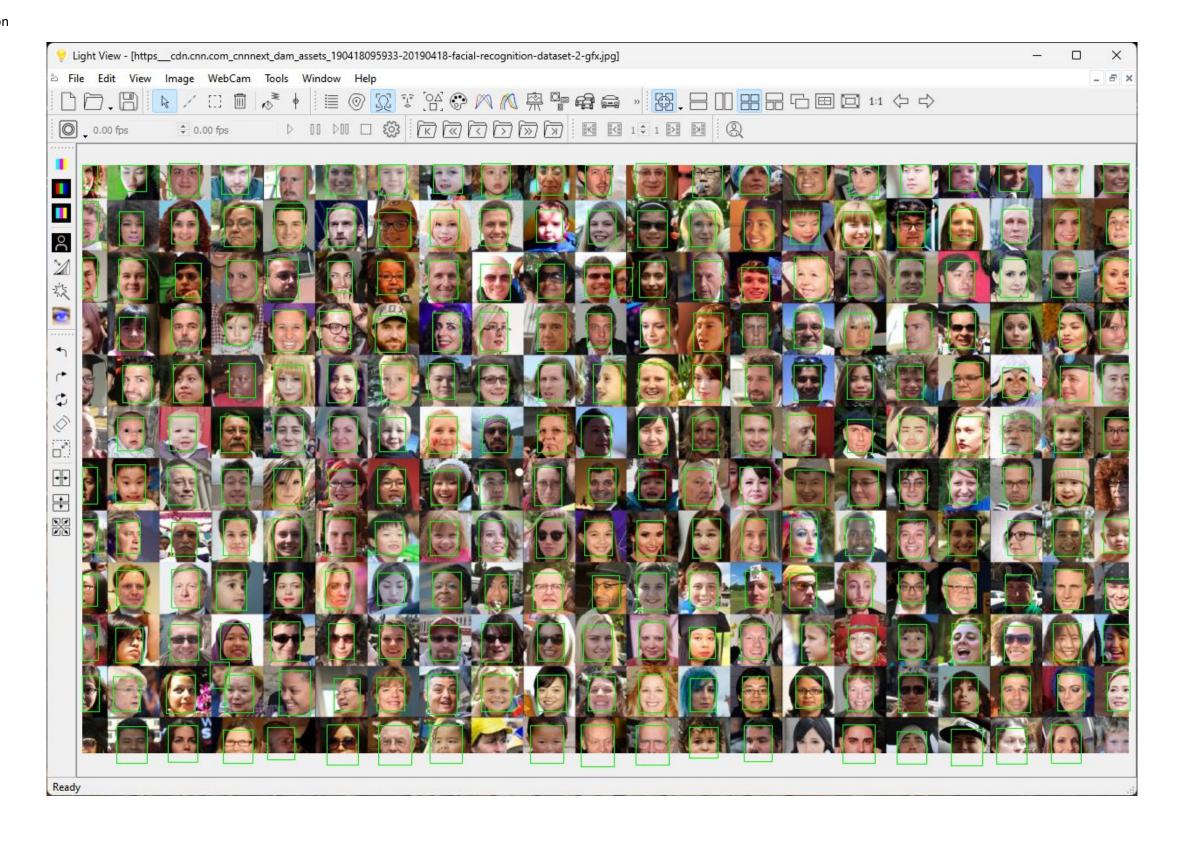It's a content creators playground of interoperability.
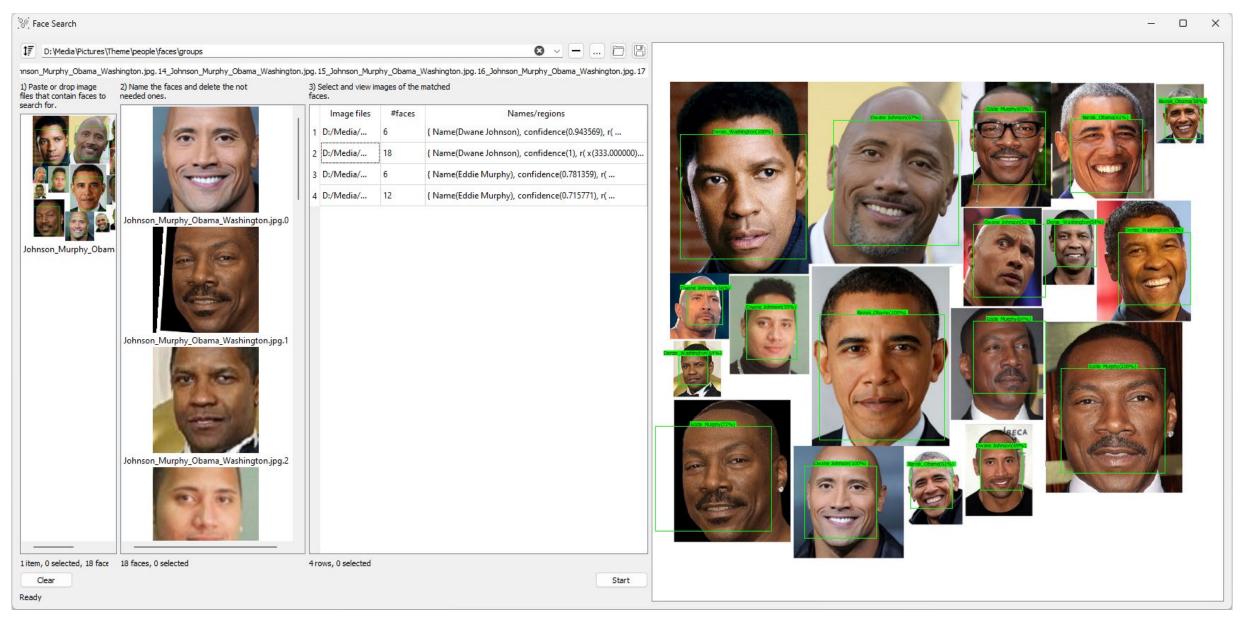
Image Stitching

Face Detection

Face Association

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 .
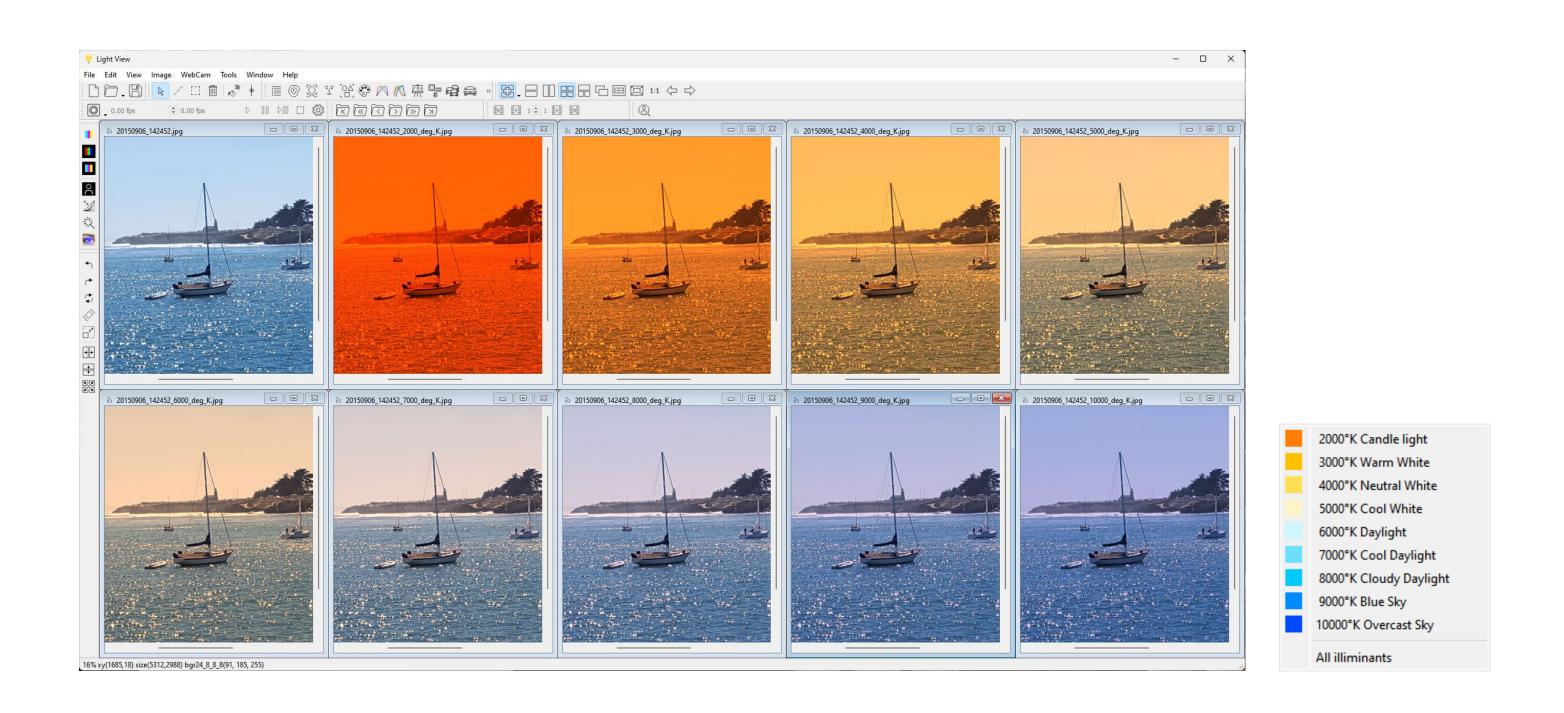
Mask r-cnn

Light View

File Edit View WebCam Tools Window Help

0.00 fps   0.00 fps

Image (1).png

person(0%)
Mask_r_cnn
person(99%)

Ready

Yolo6

Light View

File Edit View WebCam Tools Window Help

0.00 fps   0.00 fps

Image (1).png

Yolo6
Person(99%)
Person(98%)
Motorbike(81%)
Car(75%)
Bicycle(75%)
Person(52%)
Motorbike(52%)
Motorbike(45%)
Bicycle(80%)
Person(95%)(7%)

East

Light View

File Edit View Image Cameras Tools Window Help

Image (1).png

100% 100% 100% 62% 100% 100% 100%
Light Viewer is a multi-purpose, multi-media,

100% 100% 100% 63% 87% 98% 85%
It can render multiple: single and multi-frame

100%100% 100% 100% 100% 95% 100%
simultaneously with overlays. It can apply som

100% 100% 100% 100% 100%
detect objects, faces, and associate or recogn

100%
Synchronization:

100% 100% 100% 100% 100% 100%
Light Viewer can synchronize any operation a
100% 100% 100% 100% 100%
Light Viewer is under continuous developmen

100% size(992,317) bgrx32_8_8_8_8()

Shape Contour

Histogram Equalization: Global / Local

Illuminant remapping

Image Diff

Image Mean

Image Transforms

	Mirror X, Mirror Y, Mirror XY		Scale

↶ ↷ ↻ Rotate Left, Right, 180	▱ Rotate by Angle

Image Invert

Image Enhancement
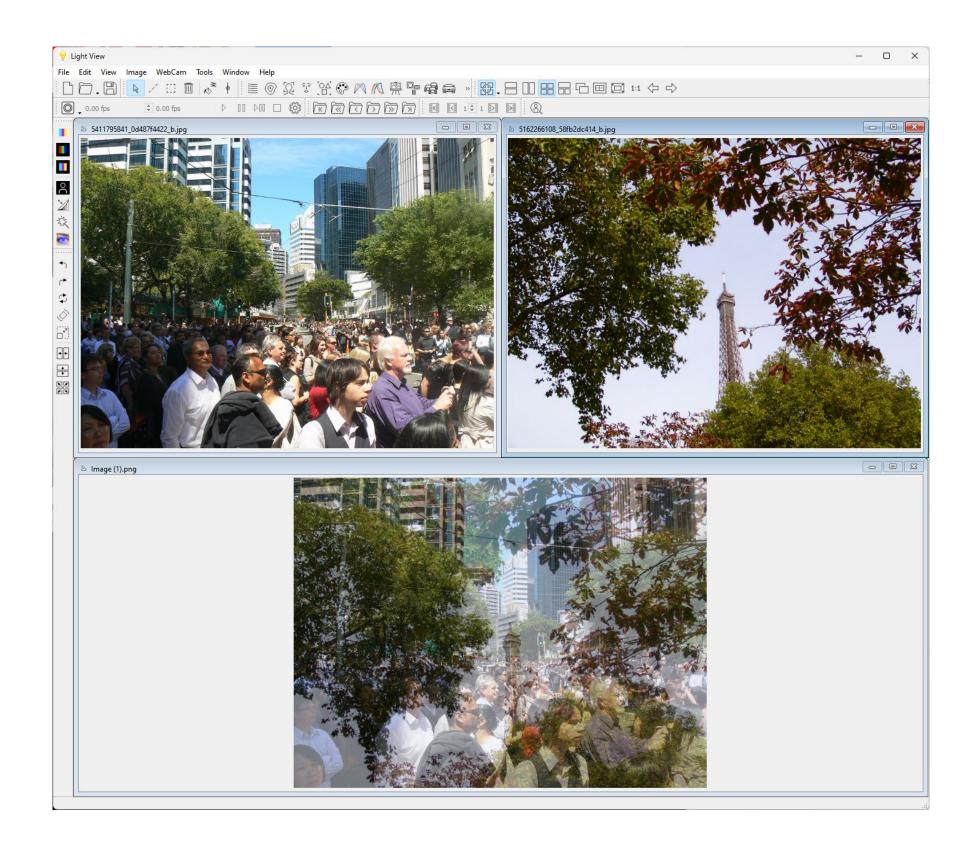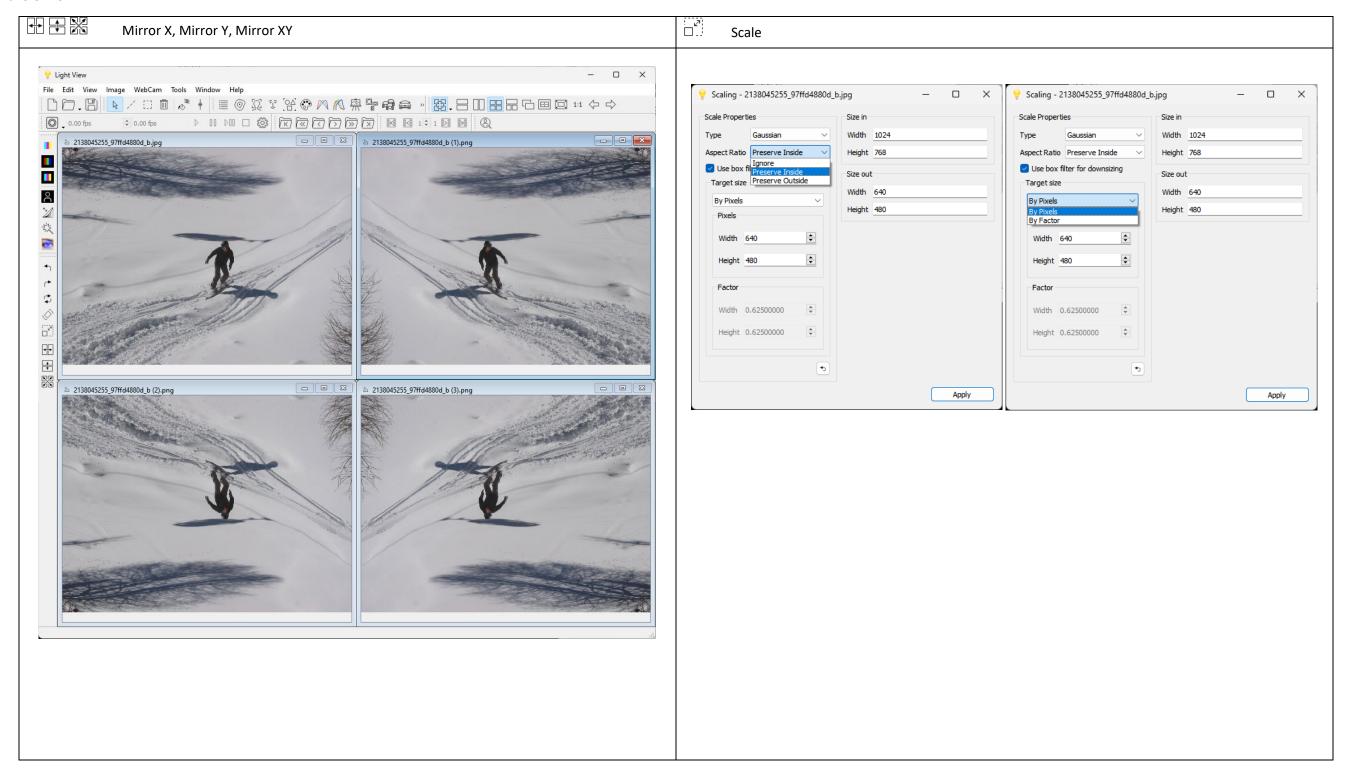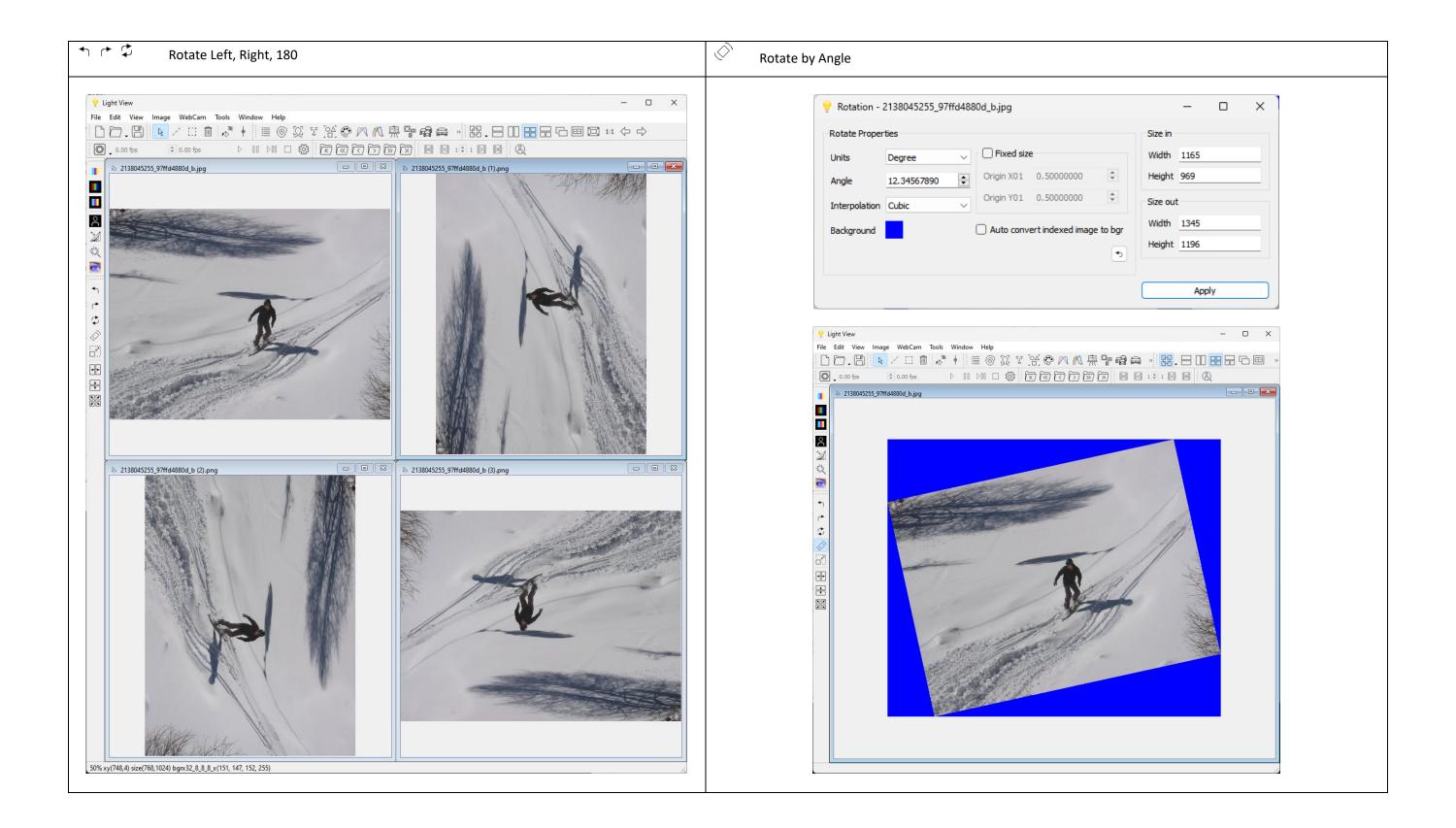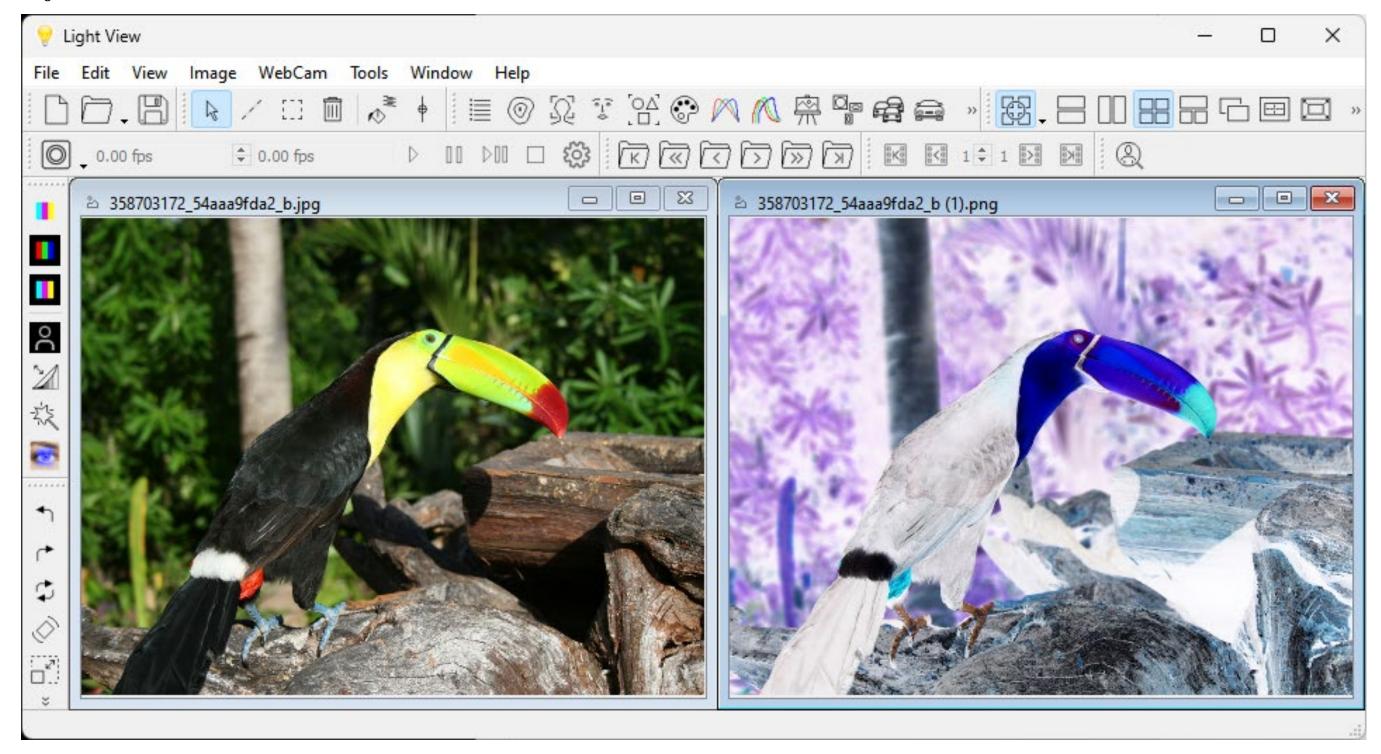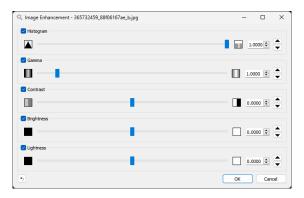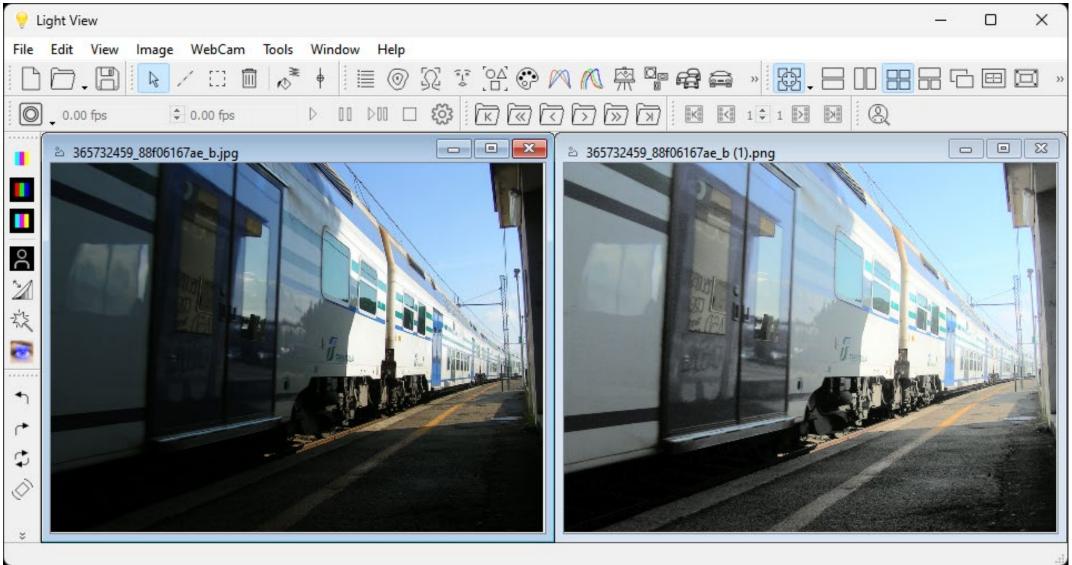
Shapes
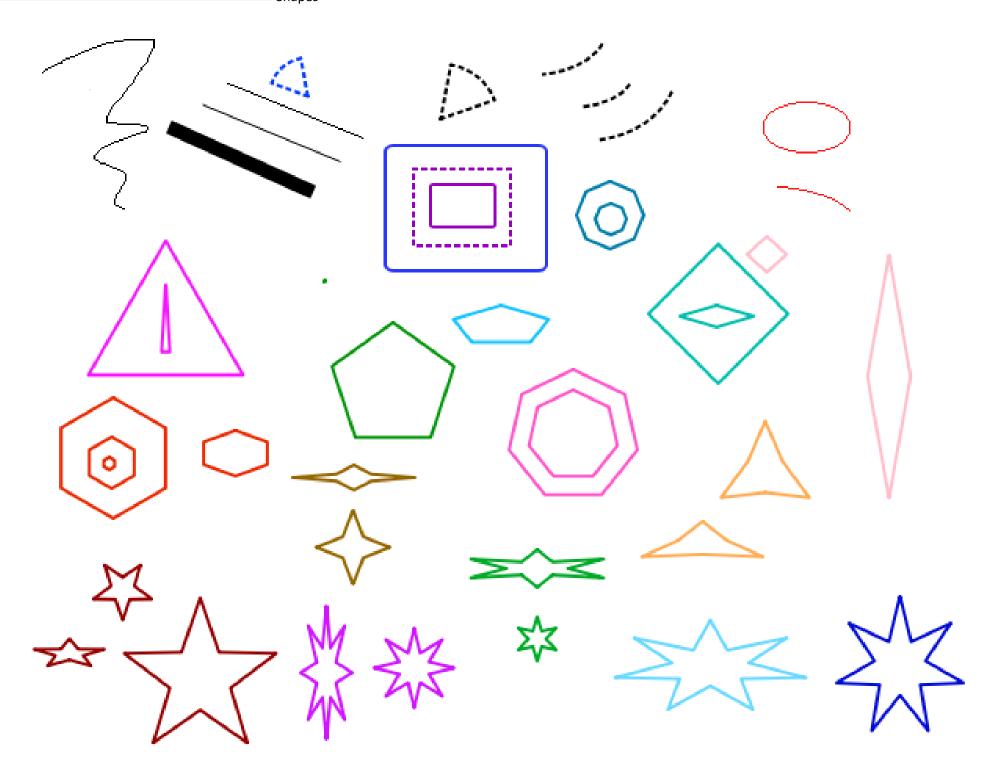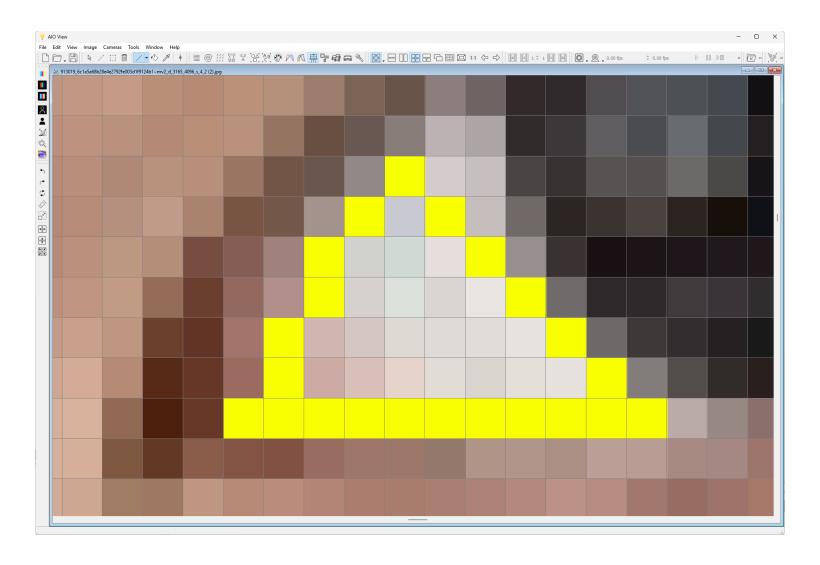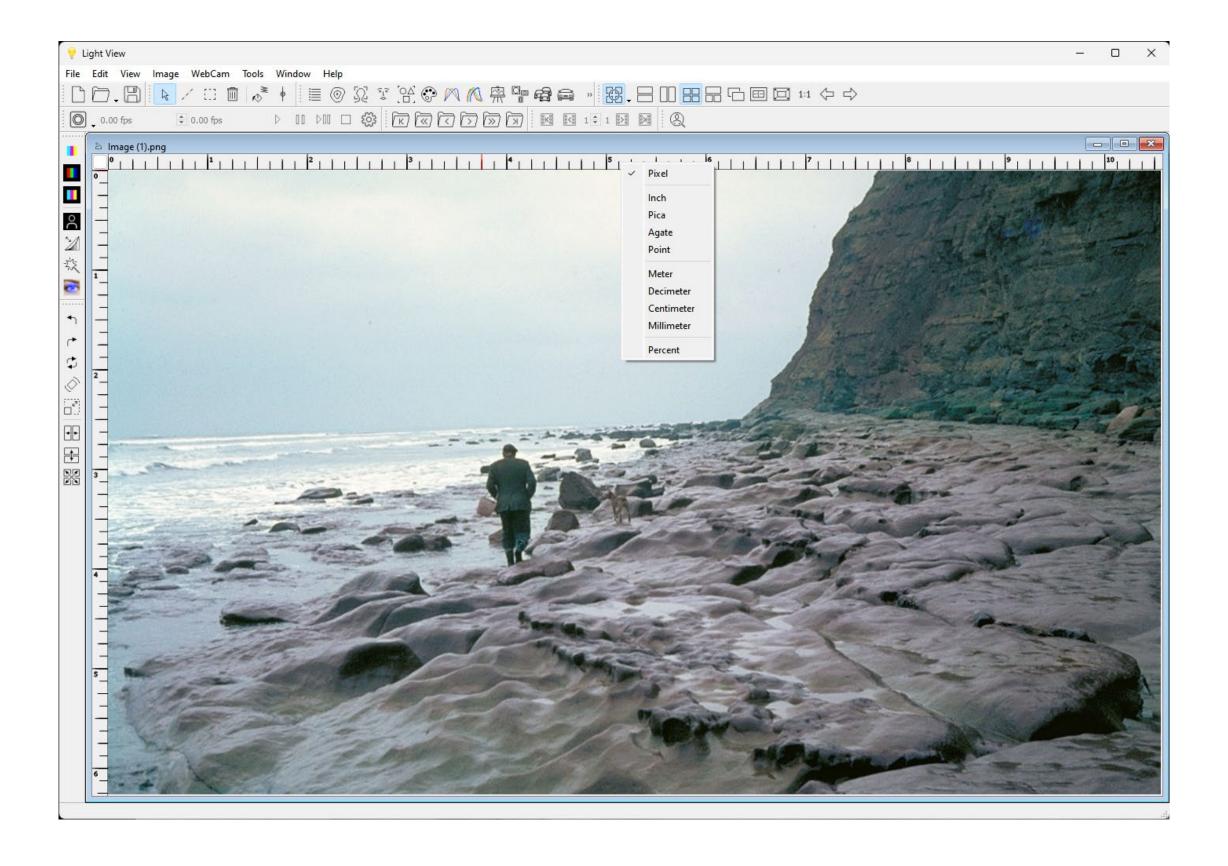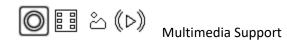
Freehand and structured shapes with or without symmetry and aliasing.

Pixel control

Precise pixel access.

Rulers

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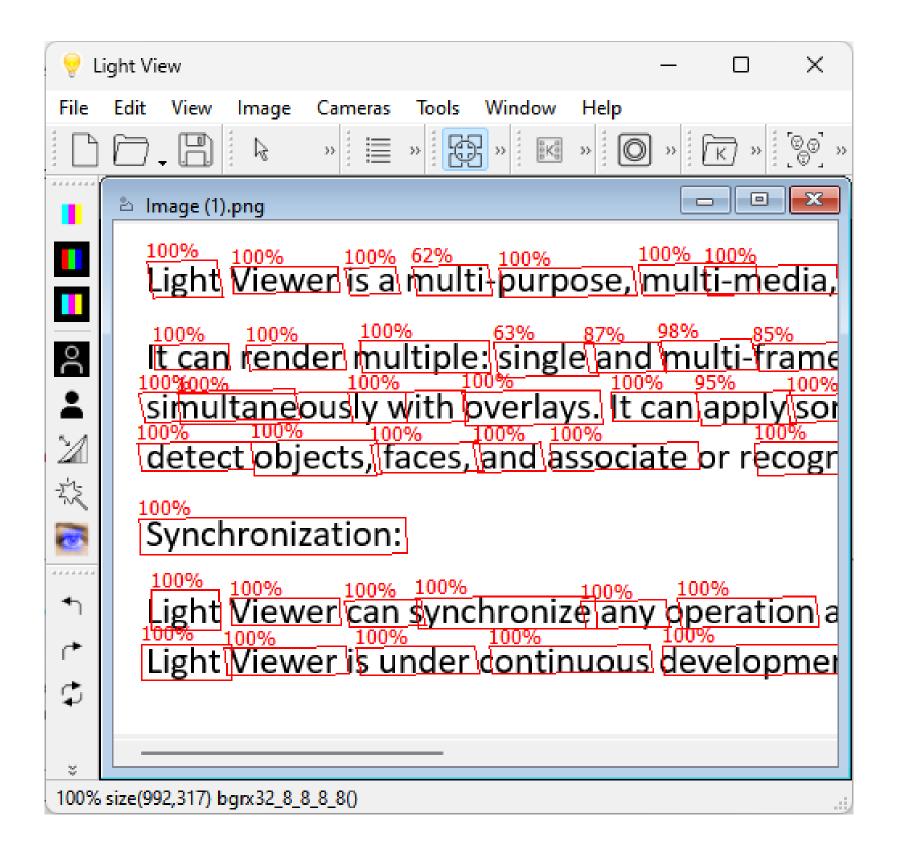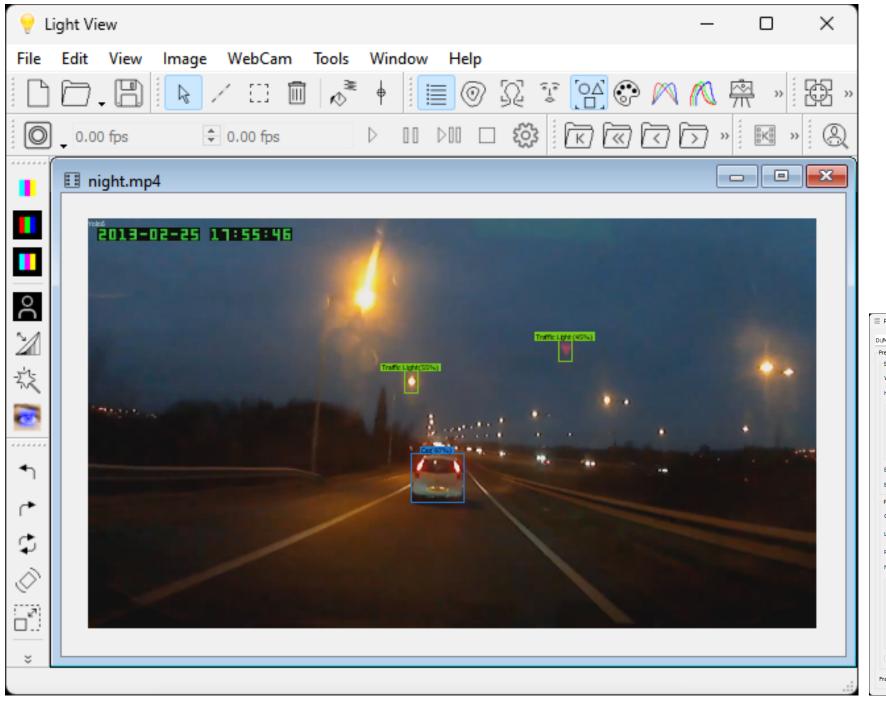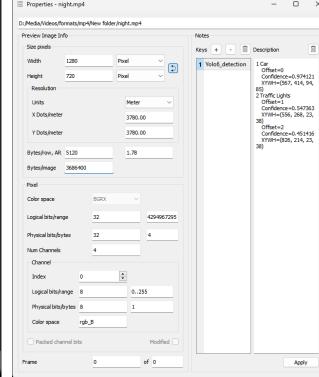
Live and simultaneous: Industrial and Web cameras + Video + Still + Multipage Still + WebView

Text detection

Light View

File   Edit   View   Image   Cameras   Tools   Window   Help

Image (1).png

Light Viewer is a multi-purpose, multi-media,
It can render multiple: single and multi-frame
simultaneously with overlays. It can apply sor
detect objects, faces, and associate or recogr

Synchronization:

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Light Viewer is under continuous developmer

100% size(992,317) bgrx32_8_8_8_8()

Graphs

Profile

Histogram

3D Models

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

⚙ Preferences

Preferences

Main window
Mdi area
Modules
View
Image
Color
File formats
Text
Event
Media player
Line profile
Cameras
Tools

View

Marquee

☑ Hide marquee during screen copy

Shape

Line

Line type   ▰▰▰▰Dash ▾

Foreground / Background   ■ □

Clipboard copy pixels nunder shape to image   As is with alpha channel ▾

Rect

Line type   ▰▰▰▰Dash ▾

Foreground / Background   ■ □

Clipboard copy pixels nunder shape to image   As is with alpha channel ▾

Color

☐ Background color

Overlays

Contour

☐ Enable ▯ Color
                    Line width 0 ▲▼

Detect Faces

☐ Enable ▯ Color
☐ Show Header
☐ Fill Header   Line width 0 ▲▼
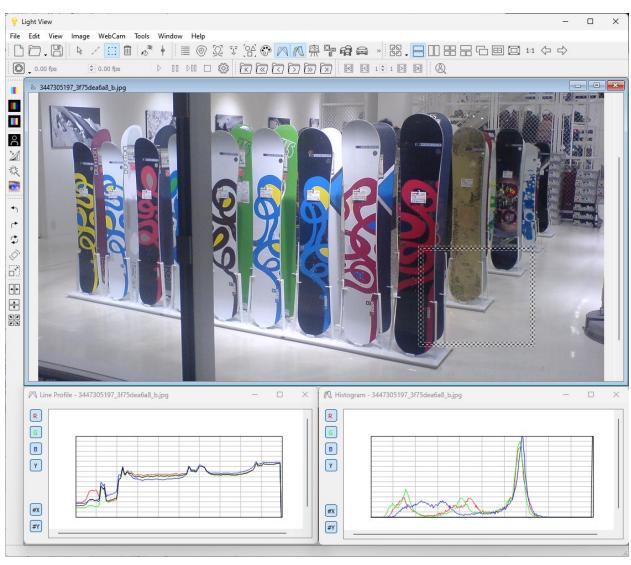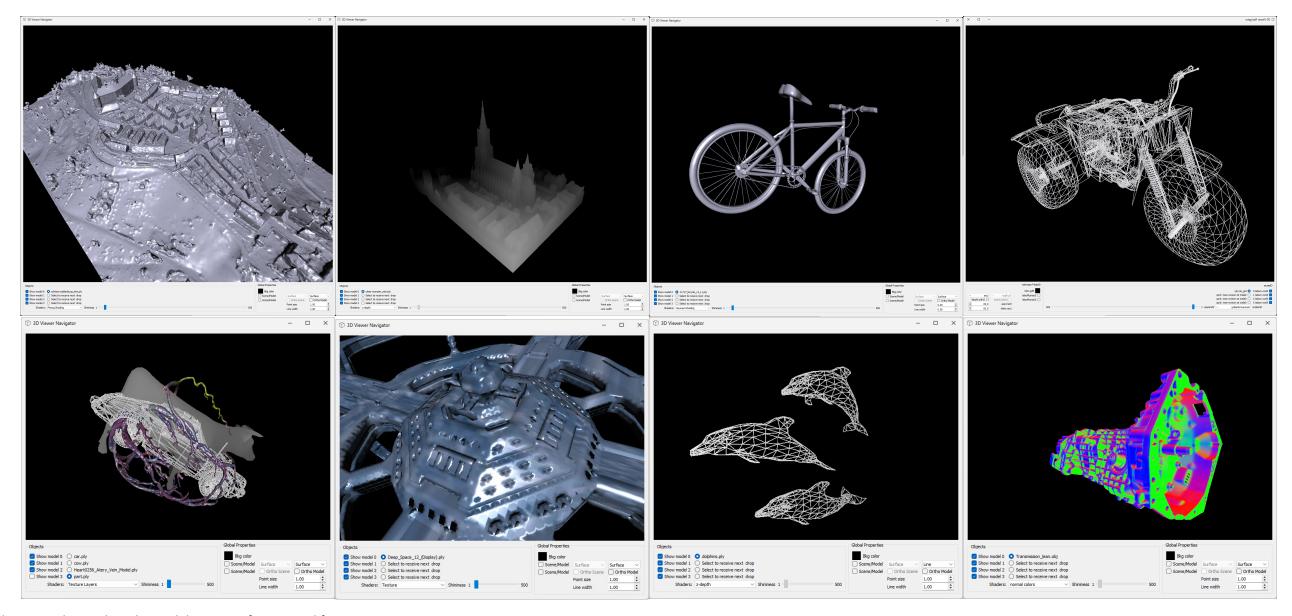☐ Embed detections
     in image notes

Detect Objects

☐ Enable   Inference Model
☑ Show Header   Yolo6 ▾
☑ Fill Header   Line width 0 ▲▼
☐ Embed detections ☑ Use GPU
     in image notes

Grid

▮ Grid color

64.000 ▲▼ Zoom Threshold

Rulers

☐ Show

Horizonal Pixel ▾

Vertical   Pixel ▾

↶

Ready   OK   Cancel