

main

Go to file

Code

👤 Acly	Windows build changes for Qt6 Krita	3e7462a · last month	🕒
📁 icons	Inpaint: add icon & ac...		last year
📁 media	Added tool icons to re...		3 years ago
📁 python	Fix deselect with seg...		last year
📁 scripts	Windows build chang...		last month
📁 src	Linux build changes f...		2 months ago
📄 vision.cpp @ 26a7529	Update vision.cpp, adj...		4 months ago
📄 .gitignore	Readme & build chan...		last year
📄 .gitmodules	Migrate inference to v...		last year
📄 CMakeLists.txt	Windows build chang...		last month
📄 LICENSE	Automated dependen...		3 years ago
📄 README.md	Fix typo in readme		6 months ago
📄 vision_tools.desktop	Rename plugin folder ...		last year

README GPL-3.0 license

Krita Vision Tools

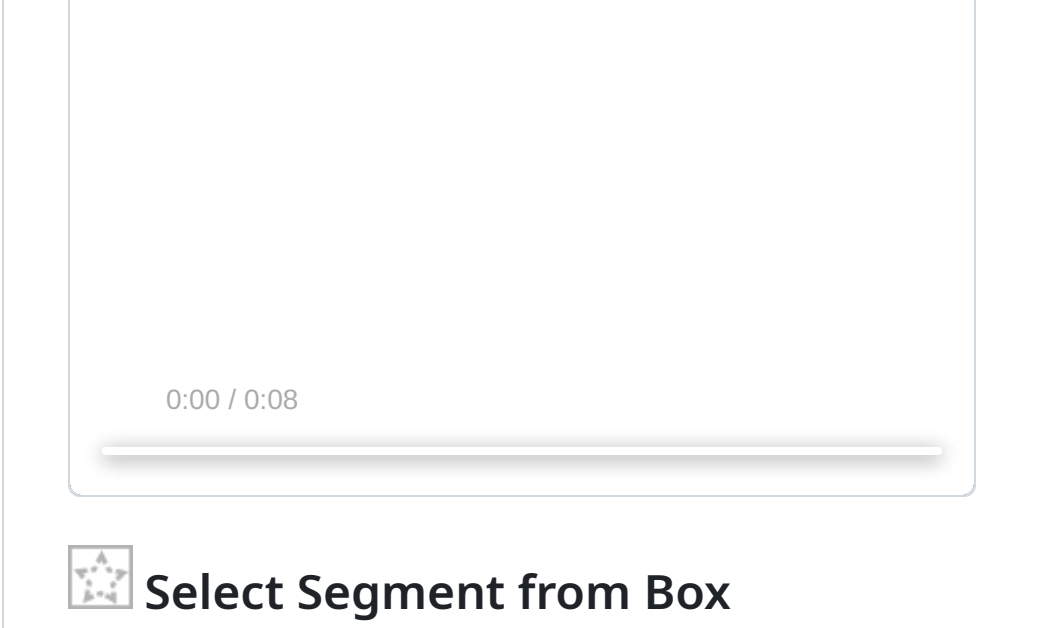
[Installation](#) | [Release Download](#) | [Building](#)

Plugin for Krita which adds various tools and filters based on machine learning:

- Selection tools to mask objects in your image
- Background removal filter
- Alternative "Smart Patch" for filling/smoothing small areas

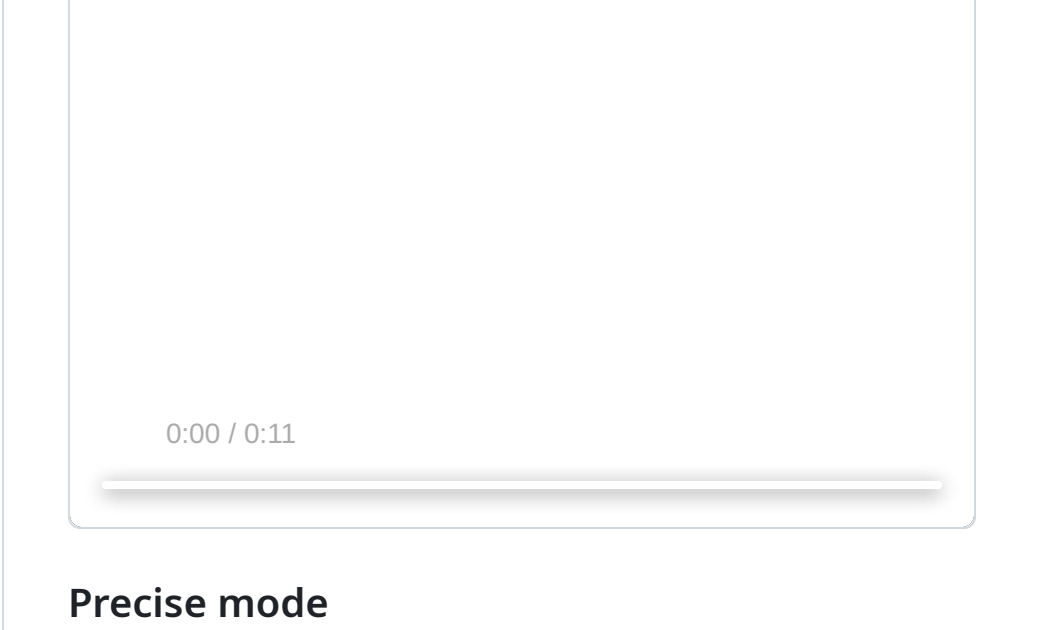
Select Segment from Point

Click on things to select them!



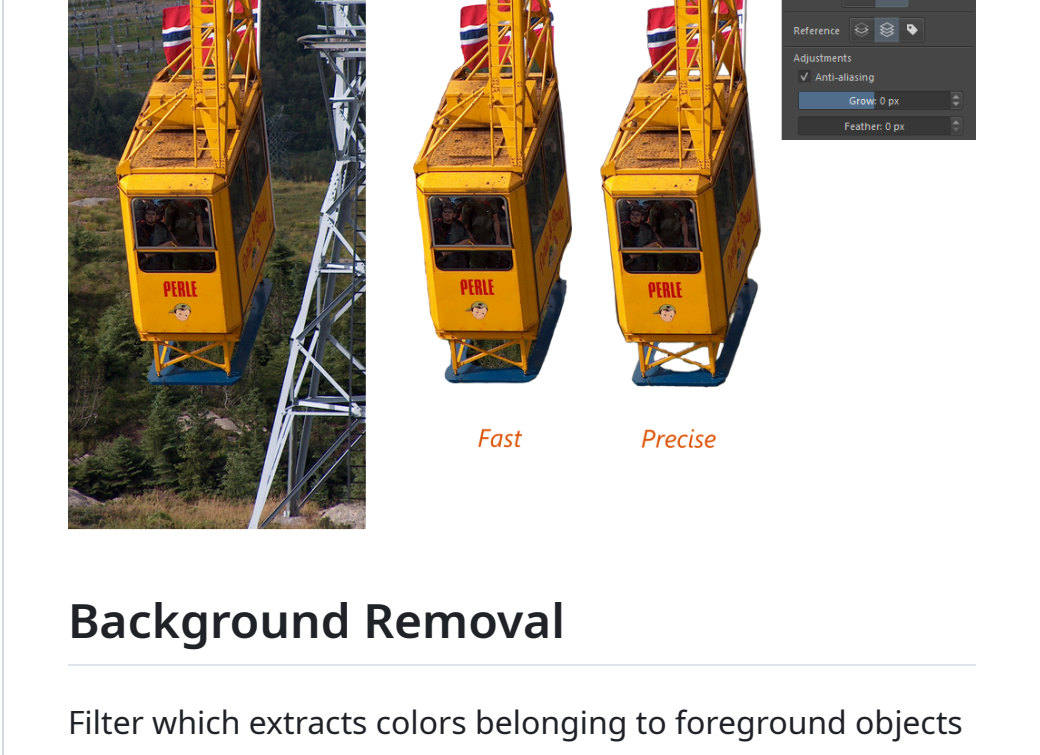
Select Segment from Box

Draw a box around things to select them!



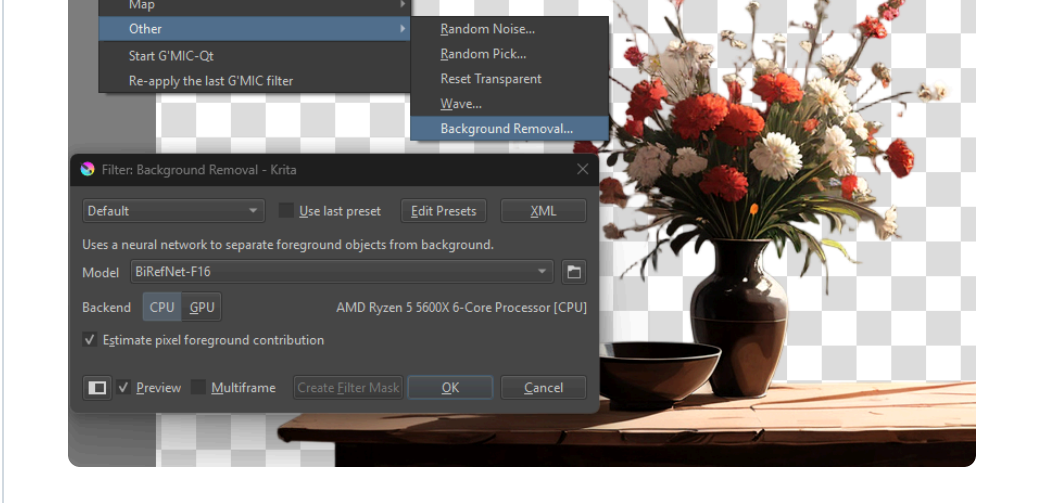
Precise mode

Select "Precise" in Tool options to get better quality masks. Depending on hardware the operation can take several seconds. This model typically extracts all foreground objects in the area, rather than one specific object that is contained entirely in the box.



Background Removal

Filter which extracts colors belonging to foreground objects in a layer. You can find it at Filters > Other > Background Removal...



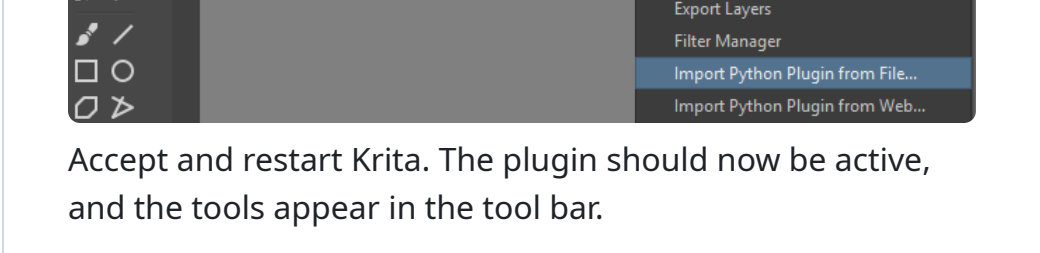
Installation

The current version of the plugin is built for Krita 5.2.13 and has been tested with [Krita 5.2.14](#). Using it with other versions may lead to crashes.

You can download the latest version of the plugin from the [releases page](#). Currently **Windows** and **Linux** are supported.

Plugin installation

Since version 2.0, the plugin can be installed as a Python extension. In Krita, go to Tools > Scripts > Import Python Plugin from File... and select the .zip file you [downloaded](#).



Accept and restart Krita. The plugin should now be active, and the tools appear in the tool bar.

► Show Krita Python Plugin manager

Warning

If you have an older version (before 2.0) of the plugin installed, please remove it first. The easiest way is re-installing the latest version of Krita (you will keep your settings).

Alternative Models

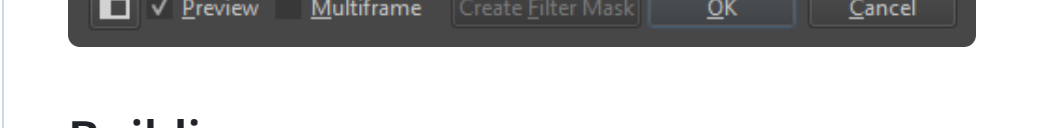
The Plugin comes with a default ML model for each task. There are alternative models which can yield higher precision and better results, but usually at the cost of running slower and higher memory requirements.

Model files have the .gguf file extension.

Background Removal

Models Download

You can find the location where to place models with the "Folder" button in the Background Removal Filter dialog.



Building

To build the plugin, it has to be part of the Krita source tree and build alongside. Refer to [Building Krita from Source](#) for setting up the environment.

After GIT checkout of the Krita sources, go to the root of the Krita repository, and clone this repository into the plugins folder:

```
cd krita/plugins
git clone --recurse-submodules https://github.com
```

Next modify the CMakeLists.txt in the same folder (krita/plugins) by appending the following line:

```
add_subdirectory( krita-vision-tools )
```

Now build and install Krita as usual according to official instructions, and the plugin will be built alongside.

Technology

- Inference implementation: [vision.cpp](#)
- Object detection: [Segment Anything Model](#), [MobileSAM](#)
- Dichotomous segmentation: [BiRefNet](#)
- Inpainting: [MI-GAN](#)

About

Krita plugin which adds selection tools to mask objects with a single click, or by drawing a bounding box.

Readme

GPL-3.0 license

Activity

937 stars

21 watching

32 forks

Report repository

Releases 12

Version 3.0.0 Latest

last month

+ 11 releases

Contributors 3

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- kelvie** Kelvie Wong

Languages

C++	86.7%	CMake	4.2%
Shell	3.3%	Python	3.1%
PowerShell	1.8%	HTML	0.9%

