

KSuse AITool

v 1.4.0

Content

System requirements	3
About program	4
Settings.....	5
Processing from text	7
Processing photos from folders.....	8
Log of prompts.....	11
Add interface language	12
Used libraries.....	13

Use only English letters, numbers, point, hyphens, underscores in the names of paths, folders, files!

System requirements

Compatibility: Windows 10, 11 x64.

Required software:

1. .NET 8.0 Desktop Runtime - Windows x64

<https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-desktop-8.0.11-windows-x64-installer>

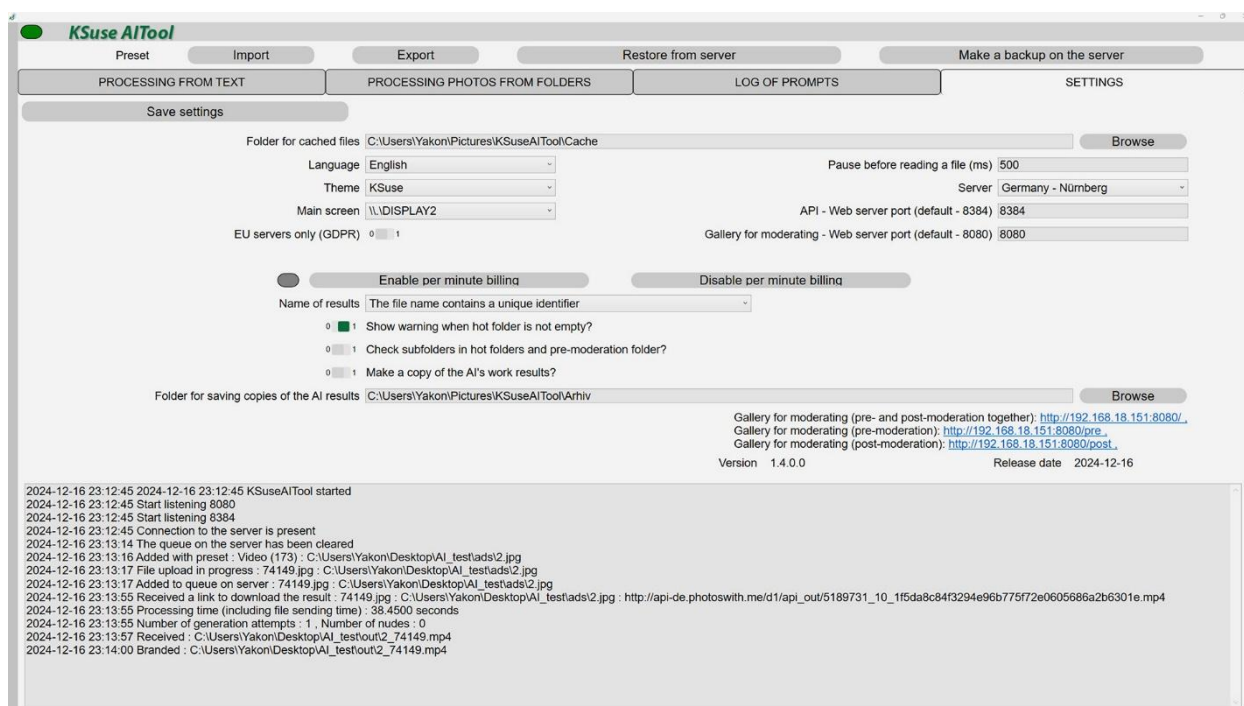
About program

AITool is not a standalone tool, it is an intermediary program for processing your photos using AI in KSuse Cloud.

Without using coins, images are created with a watermark.

When using coins, the image is created without a watermark, and the task also receives increased priority in the processing queue.

Settings



Using the top menu, you can export and import almost all program settings (except for the location of cached files). It is also possible to backup settings to the KSuse server, and then restore them on the same or any other computer.

“Folder for file cache” - small copies of all input images are stored here (the server does not accept images larger than 16Mpix).

“Pause before reading file (ms)” - the delay between detecting a new file in the hot folder and attempting to read it.

“API - Web server port (default - 8384)” - The port on which the program listens for incoming connections to the API.

“Gallery for moderating - Web server port (default - 8080)” - Port for the web gallery.

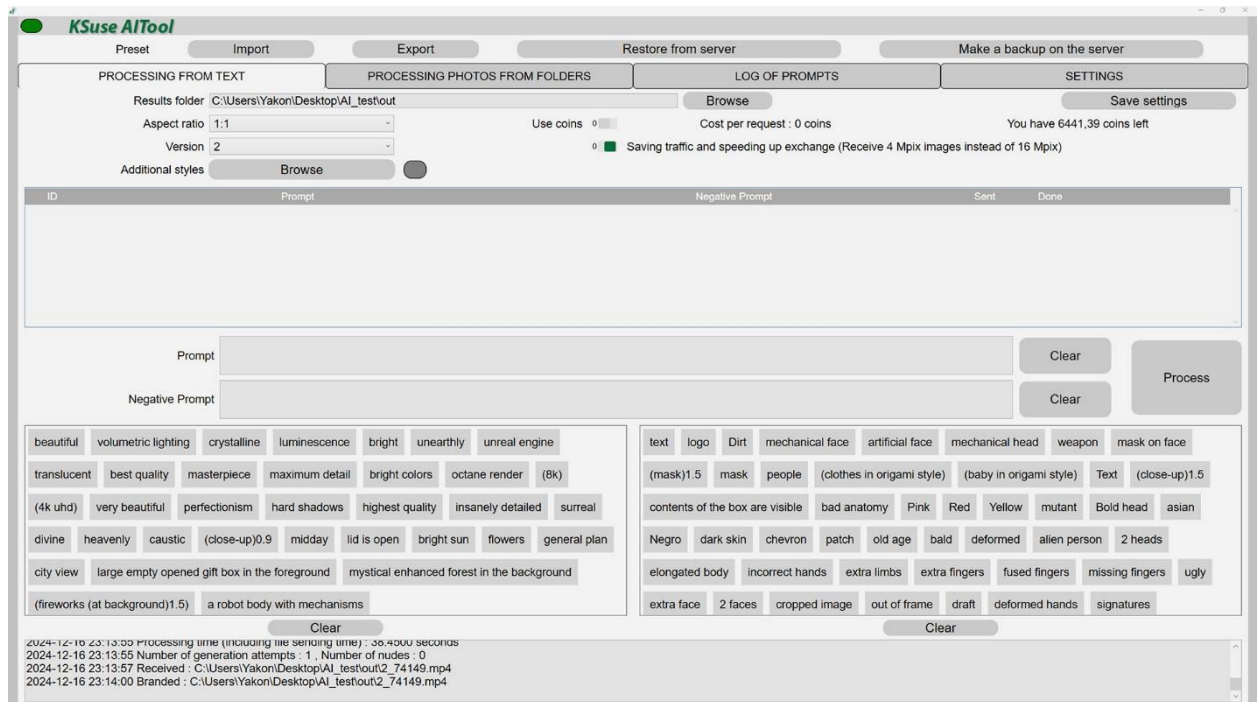
Using this gallery, it is possible to both select which of the active presets for hot folders will be applied to a photo (photos from the “Hot folder with pre-moderation”), and approve, reject or re-process the generation results (with the “Moderation of results” option enabled).

“EU servers only (GDPR)” - photos are uploaded and transferred only between servers located in the EU. Attention! EU servers are much slower than other servers.

“Name of results” - with this option you set how the program saves the results. It can either create a new file each time or overwrite an existing one.

By default, payment is per photo. It is possible to enable per-minute billing. After activating per-minute billing, payment is debited every minute, regardless of whether the program is running or not. With per-minute billing, no more than two tasks are in the queue at the same time.

Processing from text



This tab is designed to generate images based on your text prompt.

To work, you need to specify a folder in which the results of the AI work will be saved.

In the “Prompt” line, enter a description of the image. It is recommended to first specify the objects that will be in the image, and then the style of the image. The enumeration is entered separated by commas.

If "Prompt" is not specified, the AI will create a completely random image.

In the “Negative Prompt” line, you enter a list of what should not be in the image.

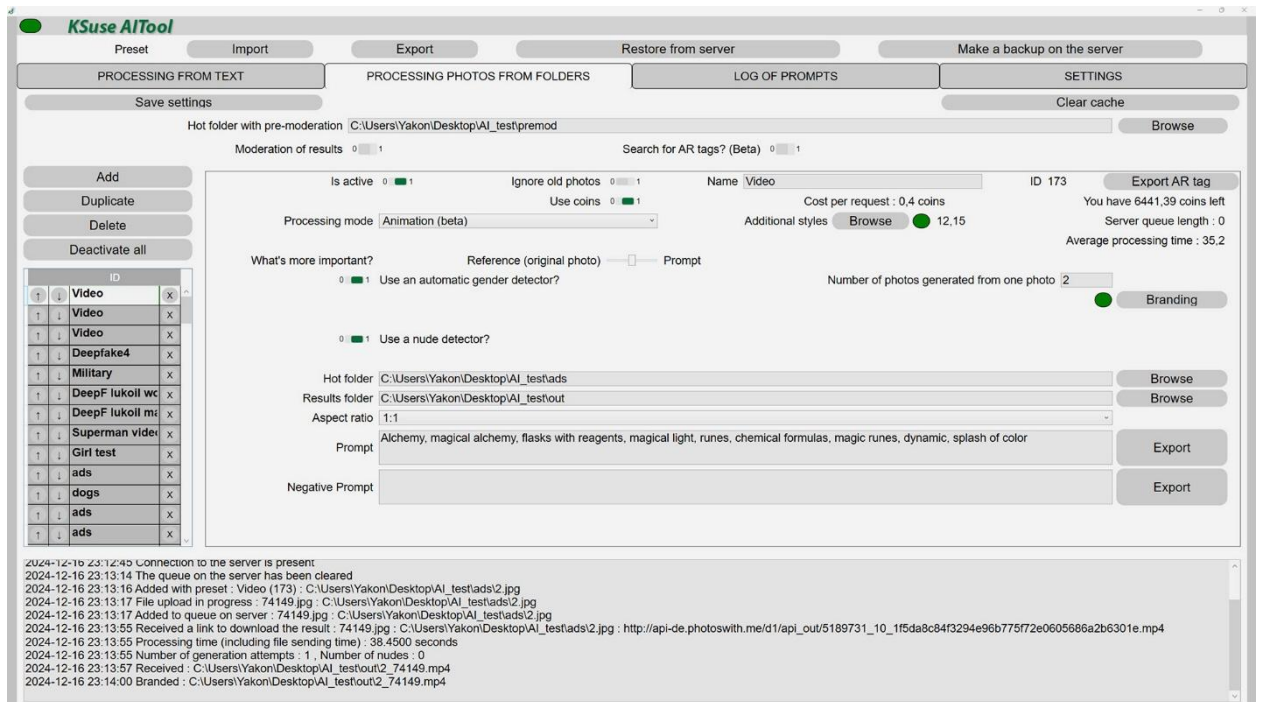
All entered parts of "Prompt" and "Negative Prompt" in blocks at the bottom of the screen. They can be used for quick input. Clicking on a phrase will add it to the current “Prompt” or “Negative Prompt”,

The top list displays a list of all requests with Sending and Ready statuses.

Any request can be repeated by clicking on the “Process again” button in the corresponding line.

There is an option to select "Additional styles". Additional styles are modifiers of the image generator's work that complement your prompt. Rendering an image with additional styles takes longer!

Processing photos from folders



This tab is designed to automatically process all images from the hot folder.

You can create several simultaneously working presets. If one hot folder is specified in several presets, then requests for generation from one photo will be sent at once with all active presets using this hot folder.

There are 4 operating modes:

1. Fake photo - In this mode, the AI redraws the photo according to the hint, preserving people's faces as much as possible. The original photograph is a reference, that is, the shapes, colors, and composition of the frame are taken from it. This mode has three sub-modes:
 - a. Background and body processing (photo + text)
 - b. Body only processing (photo + text)
 - c. Processing only the background (photo + text)

In this mode, there is a setting for the ratio of the influence of the original photo and the prompt on the generated image. Currently, you can choose: "Reference is more important than prompt", "Both reference and prompt are important", "Prompt is more important than reference".

2. Deepfake photo - Replacing a character's face in a random photo from a source folder with a face from a photo in a hot folder. Attention! To be replaced, the face must be clearly legible (both eyes, nose, mouth should be clearly visible).

3. Fun Photo - In this mode, the AI creates a new photo according to the prompt. The original photograph is a reference, that is, the shapes, colors, and composition of the frame are taken from it. The AI draws a new photo with new characters, and then the algorithm transfers the facial features of people from the original photo to the new characters. To be replaced, faces must be clearly legible (both eyes, nose, mouth must be clearly visible). In this mode, there is a setting for the ratio of the influence of the original photo and the prompt on the generated image. Currently, you can choose: "Reference is more important than prompt", "Both reference and prompt are important", "Prompt is more important than reference".
4. "Background Removal" - Removing background using AI.
5. Animation (Beta) – Creating an mp4 video with animation of the transformation from the original photo to a photo created using the "Fun Photo v2" mode. The video creates as many key frames as specified in the "Number of photos generated from one photo" field.
6. Deepfake video (Beta) – The mode is similar to the "Deepfake photo" mode with one difference: the source is specified as a folder with photos, and an mp4 file. The output is an mp4 video.

If the photo does not match the specified aspect ratio, it is cropped.

You can send several requests for generation from one photo using the option "Number of photos generated from one photo"

Attention!

In the fake photo and fan photo modes, you need to describe both the character and the style. The order of words in a prompt is very important. It's a good idea to describe the character first, then the style, then the supporting objects, and then any additional decoration such as colors or lighting.

The gender and age detector turns off if more than 3 faces are found in the foreground

The gender and age detector turns off if the prompt contains the words: man, men, woman, women, child, children, baby, girl, boy, girls, boys, male, female

The prompt should be written in English. You can use parentheses for grouping and points in decimal digits. The weight is written immediately after the bracket without a space or colon. The weight is approximately equal to the exponentiation. You should not use weight values greater than 2.0.

You cannot write phrases with the words "no" or "without" in the prompt. For a text encoder, "no text" and "text" are the same indication that text needs to be drawn.

Prompt example: young male humanoid cyborg (with a living realistic human face)1.5, the body is dressed in (white robotic armor)1.2, with visible wires and gears on the body, a robot body with mechanisms, robot arms with wires and gears , against the background of a cyberpunk city, futuristic cyberpunk, neon lights in a cyberpunk theme, hyperrealistic, (protection)1.2, daylight

A negative prompt specifies something that should not be in the image.

When clearing the cache, the image database on this computer is completely cleared and the queue of processing tasks on the server is cleared, with the exception of already running tasks. After clearing the cache, none of the previously sent images will return to AITool.

There is an option to select "Additional styles". Additional styles are modifiers of the image generator's work that complement your prompt. Rendering an image with additional styles takes longer!

There are three versions of the AI in the "Fun Photo" mode - these are three different SDXL models, and accordingly they have different drawings.

In Fun Photo version 2, you can add additional empty areas around a photo using the "Expanding photo" field values. The values are specified as a percentage of the original photo size.

In Fun Photo v2, you can add a drawing style reference by specifying a photo folder as the "Style Folder (Foreground)" and "Style Folder (Background)" options. The AI will better understand how you want your photo to look.

Log of prompts

Date	Preset	Processing mode	Done	File name (input)	File name (output)	Prompt	Negative Prompt	Styles	
12/16/2024 11:13:17 PM	Video	Animation		2.jpg	2_74149.jpg	Alchemy, magical alchemy, flasks with reagents, magical light, runes, chemical formulas, magic runes, dynamic, splash of color		12, 15	Process again
12/16/2024 11:00:46 PM	Video	Animation		2.jpg	2_74148.jpg	Alchemy, magical alchemy, flasks with reagents, magical light, runes, chemical formulas, magic runes, dynamic, splash of color		12, 15	Process again
12/16/2024 11:00:19 PM	Man	FunPhoto		255a.jpg	255a_74147.jpg	close-up, portrait, (open helmet)1.2, dirt bike rider in mid air with dirt trail in background, metal surfaces, ign, scrambler, highly detailed head, darker intense, rule of third, puttin, radical, app, play			Process again
12/16/2024 11:00:17 PM	Man	FunPhoto		255a.jpg	255a_74146.jpg	close-up, portrait, (open helmet)1.2, dirt bike rider in mid air with dirt trail in background, metal surfaces, ign, scrambler, highly detailed head, darker intense, rule of third, puttin, radical, app, play			Process again
12/16/2024 11:00:15 PM	Man	FunPhoto		255a.jpg	255a_74145.jpg	close-up, portrait, (open helmet)1.2, dirt bike rider in mid air with dirt trail in background, metal surfaces, ign, scrambler, highly detailed head, darker intense, rule of third, puttin, radical, app, play			Process again
12/16/2024 11:00:14 PM	Man	FunPhoto		255a.jpg	255a_74144.jpg	close-up, portrait, (open helmet)1.2, dirt bike rider in mid air with dirt trail in background, metal surfaces, ign, scrambler, highly detailed head, darker intense, rule of third, puttin, radical, app, play			Process again
12/16/2024 11:00:02 PM	Man	FunPhoto		255a.jpg		close-up, portrait, (open helmet)1.2, dirt bike rider in mid air with dirt trail in background, metal surfaces, ign, scrambler, highly detailed head, darker intense, rule of third, puttin, radical, app, play			Process again
12/16/2024 10:58:00 PM	Video	Animation		2.jpg	2_74142.jpg	Alchemy, magical alchemy, flasks with reagents, magical light, runes, chemical formulas, magic runes, dynamic, splash of color		12, 15	Process again
12/16/2024 10:56:58 PM	Video	Animation		2.jpg	2_74141.jpg	Alchemy, magical alchemy, flasks with reagents, magical light, runes, chemical formulas, magic runes, dynamic, splash of color		12, 22, 15	Process again

```

2024-12-16 23:12:45 2024-12-16 23:12:45 KSuseAITool started
2024-12-16 23:12:45 Start listening 8080
2024-12-16 23:12:45 Start listening 6384
2024-12-16 23:12:45 Connection to the server is present
2024-12-16 23:13:14 The queue on the server has been cleared
2024-12-16 23:13:16 Added with preset : Video (173) : C:\Users\Yakon\Desktop\AI_test\ads2.jpg
2024-12-16 23:13:17 File upload in progress : 74149.jpg : C:\Users\Yakon\Desktop\AI_test\ads2.jpg
2024-12-16 23:13:17 Added to queue on server : 74149.jpg : C:\Users\Yakon\Desktop\AI_test\ads2.jpg
2024-12-16 23:13:55 Received a link to download the result : 74149.jpg : C:\Users\Yakon\Desktop\AI_test\ads2.jpg : http://api-de.photoswith.me/d1/api_out/5189731_10_1f5da8c84f3294e96b775f72e0605686a2b6301e.mp4
2024-12-16 23:13:55 Processing time (including file sending time) : 38.4500 seconds
2024-12-16 23:13:55 Number of generation attempts : 1 , Number of nudes : 0
2024-12-16 23:13:57 Received : C:\Users\Yakon\Desktop\AI_test\out2_74149.mp4
2024-12-16 23:14:00 Branded : C:\Users\Yakon\Desktop\AI_test\out2_74149.mp4
    
```

This tab is designed to automatically process all images from the hot folder.

Add interface language

1. Create a copy of C:\Program Files\ksuse.ru\KSuseAITool\lang\en.xaml
2. Rename the copy to the two-letter designation corresponding to the new language, for example, ru.xaml
3. Add a new language to the new line in langs.txt in the format designation=name, for example, ru=Russian

Used libraries

Icons made by Freepik from www.flaticon.com is licensed by CC 3.0 BY

<https://www.flaticon.com/authors/freepik>

Icons made by Smashicons from www.flaticon.com is licensed by CC 3.0 BY

<https://www.flaticon.com/authors/smashicons>

Icons made by Vitaly Gorbachev from www.flaticon.com is licensed by CC 3.0 BY

<https://www.flaticon.com/authors/vitaly-gorbachev>

<http://creativecommons.org/licenses/by/3.0/>

System.Data.SQLite - <https://system.data.sqlite.org>

Microsoft - <https://dotnet.microsoft.com/>

The MIT License:

Newtonsoft.Json - <https://www.newtonsoft.com/json>

BouncyCastle.Cryptography - <https://www.bouncycastle.org/csharp/>

SharpZipLib - <https://github.com/icsharpcode/SharpZipLib>

SQLite-net - <https://github.com/praeclarum/sqlite-net>

MimeMapping - <https://github.com/zone117x/MimeMapping>

Face Recognition - https://github.com/ageitgey/face_recognition

DlibDotNet - <https://github.com/takuya-takeuchi/DlibDotNet/>

Apache License:

Magick.NET - <https://github.com/dlemstra/Magick.NET>

NPOI - <https://github.com/tonyqus/npoi>

OpenCvSharp - <https://github.com/shimat/opencvsharp>

BSD 3-Clause License:

NLog - <https://nlog-project.org/>

CC0 1.0 Universal:

Face Recognition Models - https://github.com/ageitgey/face_recognition_models/

Boost Software License:

Dlib - <http://dlib.net/>

LGPL v3:

FFMPEG - <https://www.ffmpeg.org/>

Licensed x264 Software