

v 1.3.0

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

System requirements

Compatibility: Windows 10, 11 x64.

Required software:

.NET 8.0 Desktop Runtime - Windows x64
 <u>https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-desktop-8.0.4-windows-x64-installer</u>

About program

AlTool is not a standalone tool, it is an intermediary program for processing your photos using Al 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

	Export	Restore from server	Make a backup on the server
PROCESSING FROM TEXT	PROCESSING PHOTOS FROM FOLDERS	LOG OF PROMPTS	SETTINGS
Save settings			
Folder for cached files	C:\Users\Yakon\Pictures\KSuseAITool\Cache		Browse
Language	English	Pause before reading	g a file (ms) 500
Theme	KSuse		Server Russia - MSK
Main screen	\\\\DISPLAY2 *	API - Web server port (def	ault - 8384) 8384
EU servers only (GDPR)	0 1	Gallery for moderating - Web server port (def	ault - 8080) 8080
	Enable per minute billing	Disable per minute billing	
Name of results	The file name contains a unique identifier	v	
		Version 1.3.0.0	Release date 2024-04-26
		39 — копия (2).jpg	

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.

Processing from text

			Import		Export			R	estore from	server				IVIAK	e a backup	p on me	server	
PROCESSING FROM TEXT P				ROCESSING	ESSING PHOTOS FROM FOLDERS			LOG OF PROMPTS				SETTINGS						
	Re	sults folder	C:\Users\Yak	on\Desktop\AI_te	est\out								Browse				S	ave settings
	Asp	ect ratio 9	:16		÷		Use coins 0		Cost per request : 0 coins		coins			You have 6835,3 coins le			ft	
10 98 une	earthly, unrea	l engine	Pro	ompt						Negative f	Prompt			Si True	ant I True	Done	Proce	iss again
eautiful c		Prompt ve Prompt unearthly	unreal engin	e volumetric	lighting tr	anslucent	best quality		text lo	go Dir	t mecha	nical face	artificial f	ace mecha	anical head	Clear Clear weap	on	Process
asterpiece	maximum	n detail	oright colors	octane render	(8k) (4k	uhd) ver	y beautiful		(clothes i	n origami	style) (t	aby <mark>i</mark> n orig	ami style)	Text (clo	se-up)1.5	conten	ts of the bo	ox are visible
erfectionism	hard sha	adows h	ighest quality	insanely detail	ed surrea	I divine	heavenly	caustic	bad anato	omy p	eople Pi	nk Red	Yellow	mutant E	old head	asian	Negro	dark skin
minescence	e bright	(close-up)0.9 midday	lid is open	bright sun	flowers			chevron	patch	old age	bald	deformed	alien persor	n 2 head	s elon	gated body	y
rge empty o	opened gift b	ox in the fo	preground m	ystical enhanced	forest in the	e backgroun	i		incorrect	hands	extra limbs	extra fi	ingers fu	sed fingers	missing fir	ngers	ugly ext	tra face
reworks (at	background)1.5) a i	robot body with	mechanisms	general plar	n city view			2 faces	croppe	d image	out of fram	e draft	deformed h	ands sig	natures	twisted f	fingers
				Clear)									Clear				

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.

Processing photos from folders

Preset	Import	Export	(Restore from server	Make	a backup on the server		
PROCESSING FROM TEXT		CESSING FROM TEXT PROCESSING PHOTOS FROM FOLDERS LOG OF PROMPTS SET						
Save setting	js					Clear cache		
Но	t folder with pre-moderation C:\Us	ers\Yakon\Desktop\AI_test	\premod			Brow		
	Moderation of results 0	1						
Add	Name	Woman			1	ID 148		
Duplicate	Is active	0 📕 1	ι	Jse coins 0 1	Cost per request : 0 coins	You have 6835,3 coins lef		
Delete	Processing mode	Fun photo				Ŷ		
ID	Style			Painting	Photorealism			
Woman x	What's more important?		Referen	nce (original photo)	Prompt			
Man x	0 🔳 1	Use an automatic gender of	detector?		Number of photos generated fro	m one photo 1		
Man x	Hot folder	C:\Users\Yakon\Desktop\A	AI_test\woman			Brows		
Man Cat x	Results folder	C:\Users\Yakon\Desktop\A	AI_test\out			Brows		
Woman Cat x	Aspect ratio	Same as in the source				~		
Man5 X Man3 Y				t winner, stunning matte pa	inting, in a candy land style house, saatchi art	, a forest with bunnies,		
Man1 x	Prompt	otherwordly, by Mary Eliza	ibeth Price					
Man x								
Man4 x	Negative Prompt							
1 00 44 44 40 Added with a	reset : Woman Cat (142) : C:\User							
4-26 14:44:16 File upload in	progress : 66033.jpg : C:\Users\Y ue on server : 66033.jpg : C:\Users\Y	akon\Desktop\AI test\wom	an\photo 2023-12-1	0 14-46-39.jpg				
4-26 14:44:16 Added with p	reset : Woman Cat (142) : C:\User	s\Yakon\Desktop\AI_test\we	oman\IMG_8339 - I					
	reset : Woman Cat (142) : C:\User progress : 66034.jpg : C:\Users\Y			ия (2).ipg				
4-26 14:44:17 Added to que	ue on server : 66034.jpg : C:\User progress : 66035.jpg : C:\Users\Y	s\Yakon\Desktop\AI_test\wi	oman\IMG_8339 - 1	копия (2).jpg				
4-26 14:44:17 Added to que	ue on server : 66035.jpg : C:\User	s\Yakon\Desktop\AI_test\we	oman\IMG_8339 - 1	копия (3).jpg				
4-26 14:44:19 File upload in	progress : 66036.jpg : C:\Users\Y ue on server : 66036.jpg : C:\User							

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:

- 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 Al.

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

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

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.

Log of promts

	Preset	Import		Export		Restor	re from server	Make	a backup on the server		
PROCESSING FROM TEXT				PROCESSING PH	OTOS FROM FOL	DERS	LOG OF PROMPTS	1	SETTINGS		
		Show all log 0	1				Export to xls		Clear log		
Date	Preset	Processing mode	Done	File name (input)	File name (output)		Prompt		Negative Prompt		
/26/2024 W :44:19 PM	Voman Cat	FunPhoto	False	IMG_8339.jpg		russian motifs, gret learning logo, oran moscow centre, tile	tanding outside with a cell phone in her a thunberg smiling, subject made of wh ge color, monumental giant palace, squ able, strong confident personality, colle april, nordic folk, modelsociety, reddit m	ite mesh rope, language are backpack, in ge students, blue	cat, cat face, (close-up)1.5	Process again	
/26/2024 W :44:19 PM	Voman Cat	FunPhoto	False	IMG_8339 — копия.jpg		russian motifs, gret learning logo, oran moscow centre, tile	tanding outside with a cell phone in her a thunberg smiling, subject made of wh ge color, monumental giant palace, squ able, strong confident personality, colle april, nordic folk, modelsociety, reddit m	ite mesh rope, language are backpack, in ge students, blue	cat, cat face, (close-up)1.5	Process again	
/26/2024 W :44:17 PM	Voman Cat	FunPhoto	False	IMG_8339 — копия (3).jpg		russian motifs, gref learning logo, oran moscow centre, tile	tanding outside with a cell phone in her a thunberg smiling, subject made of wh ge color, monumental giant palace, squ able, strong confident personality, colle april, nordic folk, modelsociety, reddit m	ite mesh rope, language are backpack, in ge students, blue	cat, cat face, (close-up)1.5	Process again	
/26/2024 W :44:17 PM	Voman Cat	FunPhoto	True	IMG_8339 — копия (2).jpg	IMG_8339 — копия (2) _66034.jpg	russian motifs, gret learning logo, oran moscow centre, tile	tanding outside with a cell phone in her a thunberg smiling, subject made of wh ge color, monumental giant palace, squ able, strong confident personality, colle april, nordic folk, modelsociety, reddit m	ite mesh rope, language are backpack, in ge students, blue	cat, cat face, (close-up)1.5	Process again	
/26/2024 W :44:16 PM	Voman Cat	FunPhoto	False	photo_2023-12-1 0_14-46-39.jpg		russian motifs, gret learning logo, oran moscow centre, tile	tanding outside with a cell phone in her a thunberg smiling, subject made of wh ge color, monumental giant palace, squ sable, strong confident personality, colle and pordic folk modelsociety, reddit m	ite mesh rope, language are backpack, in ge students, blue	cat, cat face, (close-up)1.5	Process again	

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

- 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

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Apache License: Magick.NET - <u>https://github.com/dlemstra/Magick.NET</u> NPOI - <u>https://github.com/tonyqus/npoi</u> OpenCvSharp - <u>https://github.com/shimat/opencvsharp</u>

BSD 3-Clause License: NLog - <u>https://nlog-project.org/</u>

CC0 1.0 Universal: Face Recognition Models - <u>https://github.com/ageitgey/face_recognition_models/</u>

Boost Software License: Dlib - http://dlib.net/