

[External] Image to Video API

The Image to Video API provided by TikTok For Business is in **Alpha**. If you would like access to this API, [register and be approved as a developer](#) through the developer portal and contact your TikTok representative to be allowlisted to use the Image to Video API endpoints. At this time, we will be enrolling a limited number of developers and will be approving more applications in a phased timeline.

This documentation is **private and confidential** and intended for use only by partners and advertisers who are participating in the alpha program.

Please do not circulate or reproduce this documentation without the consent of the TikTok API for Business team. If you are not the intended user, you may not disclose or use the information in this documentation in any way.

Change Log

Date	Product Update	Endpoint Details
May 2025	Alpha launch of Image to Video API.	<ul style="list-style-type: none">• /v1.3/creative/aigc/image_animation/task/create/• /v1.3/creative/aigc/video/task/list/• /v1.3/creative/aigc/video/list/

Legal requirements for developers

This section sets forth the legal disclaimers that developers will need to implement when using TikTok's Creative GenAI API Tools. Note that failure to comply with these requirements is a violation of TikTok's Developer [Terms](#) and may result in temporary or permanent suspension of your access to TikTok's Developer API Tools.

Requirement
<p>At any point in the user interface where an end user can upload any assets for use in AI-generation, developers must include a notice prior to uploading informing the end user of the following:</p> <p><i>By uploading assets, you confirm that you have the necessary legal rights to these assets, the assets do not include any user generated content, and you are authorized to grant TikTok permission to scan and modify the assets. You may not upload any assets that would violate TikTok's Ad Policies or Community Guidelines.</i></p>

Can I use the outputs from TikTok Symphony and use them on other platforms?

TikTok is providing these free creation tools to more easily and efficiently create TikTok-fit content for publishing on TikTok. While our terms do not limit using the content on other platforms, we suggest leveraging these creative tools tailored for TikTok to create content for the TikTok platform.

Overview

The Image to Video API is a powerful solution that converts your static images into animated video clips. By leveraging AI technologies, this solution applies the latest trending animations and motion effects to your images, transforming them into dynamic video clips. Animations are based on current top-performing TikTok content.

The benefits of AI-driven animated videos generated from image-to-video tasks include:

- **Production efficiency:** Transform raw image assets into complete videos within minutes, saving time, money, and resources.
- **Creative Fatigue Prevention:** Generate more variations to maintain the freshness and appeal of your ad campaigns.
- **Scalability:** Create numerous video variations with diverse background and animation prompts, allowing you to experiment with different styles and scenes to engage your target audience effectively.

Get Started

1. Allowlist

1. This feature is currently an allowlist-only feature. If you would like to access it, please contact your TikTok representative.

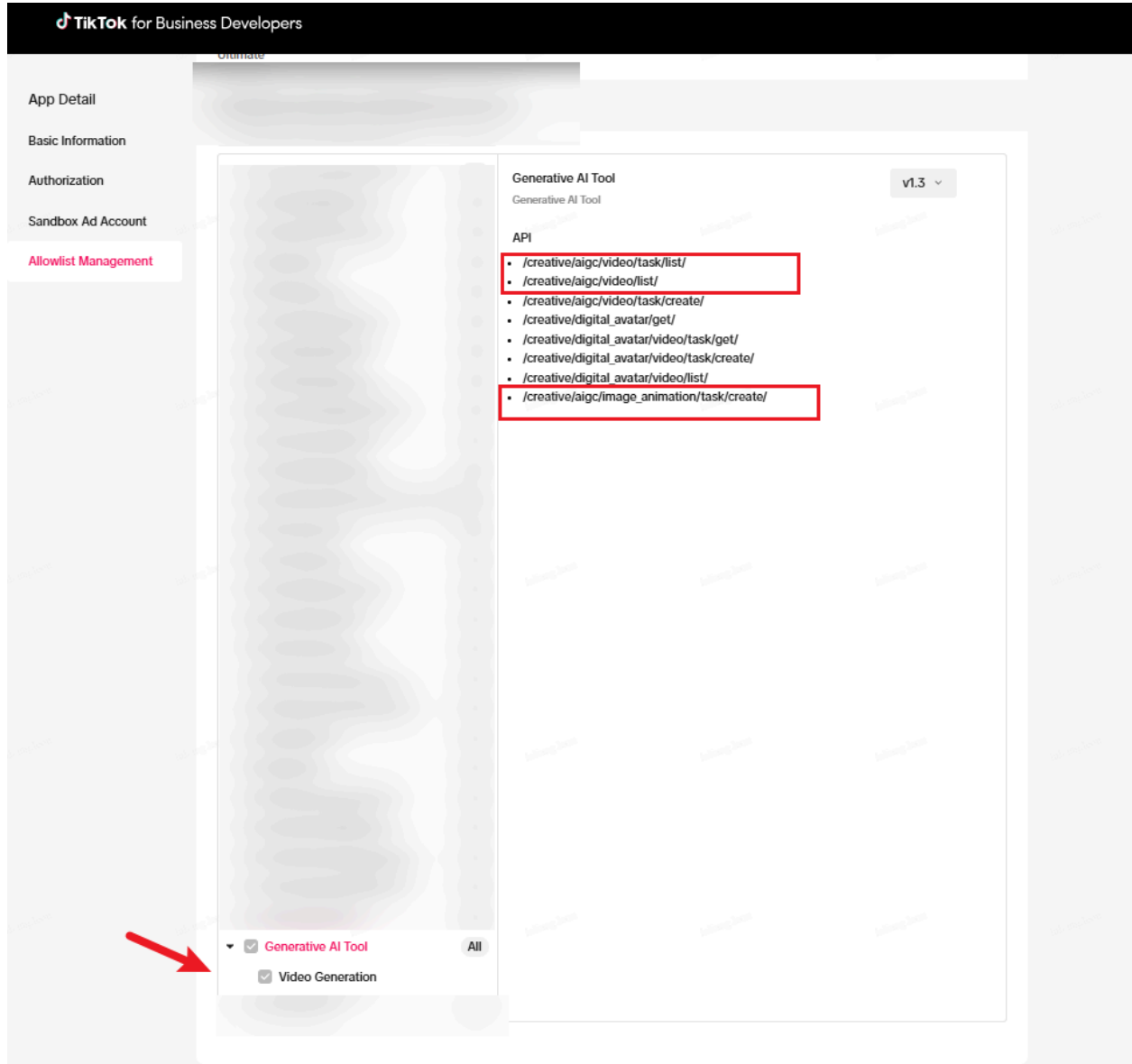
Step-by-step onboarding workflow

If you are new to API for Business, complete the following steps before making your first API call.

1. [Create a TikTok For Business account.](#)
2. [Register as a developer.](#)
3. [Create a developer app.](#)
4. [Authorization.](#)
5. [Authentication.](#)
6. Make your first API call.

1. Permission

1. Ensure you have the **Generative AI Tool > Video Generation** permission to use the Image to Video API. To learn about how to update your developer app permission, see [here](#).



1. Rate limit

For `/creative/aigc/image_animation/task/create/`, limit your calls to one QPM (queries per minute) per developer app to maintain optimal performance and prevent overload.

Workflow

To generate animated videos, follow the following steps:

1. **Create asynchronous image-to-video tasks** using /creative/aigc/image_animation/task/create/.
2. **Check the results of image-to-video tasks** using </creative/aigc/video/task/get/>. Confirm the **status** of each task is **SUCCESS**.
3. **Access animated videos** using </creative/aigc/video/list/>. Download the animated videos from the returned **preview_url**.

API Reference

The Image to Video API is a powerful solution that converts your static images into animated video clips. By leveraging AI technologies, this solution applies the latest trending animations and motion effects to your images, transforming them into dynamic video clips.

This group consists of the following endpoints:

- [Create image-to-video tasks](#)
- [Get the results of image-to-video tasks](#)
- [Get animated videos](#)

Create image-to-video tasks

Use this endpoint to create image-to-video tasks. An image-to-video task converts your images into engaging video clips.

After you create the task, call </creative/aigc/video/task/get/> to check the task results. The time required to process each image-to-video task is usually within one minute. If you create multiple videos simultaneously, the processing time might be longer.

Request

Endpoint

https://business-api.tiktok.com/open_api/v1.3/creative/aigc/image_animation/task/create/

Method POST

Header

Field	Data Type	Description
Access-Token Required	string	Authorized access token. For details, see Authentication .

Content-Type Required	string	Request message type. Allowed value: <code>application/json</code> .
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Parameters

Field	Data Type	Description
image_url Required	string	<p>The URL of the image to convert into video clips.</p> <p>Specification requirements:</p> <ul style="list-style-type: none"> Supported image formats: JPG, PNG, or JPEG. Aspect ratio: No limits. If the image doesn't meet the required aspect ratio 9 (width):16 (height), it will be automatically adjusted to 9:16. No file size limit. <p>Ensure that the URL is valid. Otherwise, they won't be used for video generation.</p> <p>For best results, ensure your image is high-resolution, uncropped, and contains minimal or no text.</p>
change_background	boolean	<p>Whether to change the background of the image.</p> <p>Supported values: <code>true</code>, <code>false</code>.</p> <p>Default value: <code>false</code>.</p>
background_prompt	string	<p>Valid only when <code>change_background</code> is <code>true</code>.</p> <p>The prompt for the background to apply to your image. You can explore different background styles and scenes to find what resonates with your target audience.</p> <p>Recommended length for optimal performance: within 2,000 characters.</p> <p>If <code>change_background</code> is <code>true</code> and this parameter is set to null or an empty string, or is not specified, the system will analyze your image and apply the most fitting and captivating background for TikTok to your image.</p> <p>For the recommended background prompts for an image, see List of recommended values for background prompt.</p> <p>Alternatively, you can specify a customized background prompt for an image based on your preference.</p>

animation_prompt	string	<p>The prompt for the animation to apply to your image. Recommended length for optimal performance: within 200 characters.</p> <p>If this parameter is set to null or an empty string, or is not specified, the system will analyze your image and apply the most fitting and captivating animations for TikTok to your image.</p> <p>For the recommended animation prompts for an image, see List of recommended values for animation_prompt.</p> <p>Alternatively, you can specify a customized animation prompt for an image based on your preference.</p>
video_generation_count	number	<p>The number of videos to generate for the image. Value range: 1-5. Default value: 1.</p>

List of recommended values for **background_prompt**

The following table lists the recommended **background_prompt** values for an image.

Recommended background_prompt value	Background type
Sea cliffs	Sea cliffs
Snow	Snow
Waterfront views	Waterfront views
Lush greenery	Lush greenery
Mountains	Mountains
Dynamic splash	Dynamic splash
Wooden table	Wooden table
Pedestal	Pedestal
White marble	White marble
Kitchen	Kitchen
Bedroom	Bedroom

Bathroom	Bathroom
Living room	Living room
City	City
Gifts and celebration	Gifts and celebration
Clouds	Clouds
Flowers	Flowers
Color burst	Color burst
Hot air balloon	Hot air balloon
Golden hour	Golden hour
Sunny lake	Sunny lake
Simple backdrop	Simple backdrop
Photoshoot	Photoshoot
Fashion runway	Fashion runway

List of recommended values for **animation_prompt**

The following table lists the recommended **animation_prompt** values for an image.

Recommended animation_prompt value	Animation type
Simple pose	Simple pose
Walk	Walk
Arm & hands	Arm & hands
Holding product	Holding product
Upper body	Upper body

Product demo	Product demo
Face closeup	Face closeup
Shoe showcase	Shoe showcase
Multi-person	Multi-person
Comment point	Comment point
Dance	Dance
Wave	Wave
Fitness	Fitness

Example

```
SQL
curl --location --request POST
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/image_animation/task/create/' \
--header 'Access-Token: {{Access-Token}}' \
--header 'Content-Type: application/json' \
--data '{
  "image_url": "{{image_url}}",
  "change_background": true,
  "background_prompt": "Simple backdrop",
  "animation_prompt": "Walk",
  "video_generation_count": 2
}'
```

Response

Field	Data Type	Description
code	number	Response code. For the complete list of response codes and descriptions, see Appendix - Return Codes .

message	string	Response message. For details, see Appendix - Return Codes .
request_id	string	The log ID of a request, which uniquely identifies the request.
data	object	Returned data.
task_ids	string[]	The ID list of the image-to-video tasks.

Example

```
Unset
HTTPS/1.1 200 OK
{
  "code": 0,
  "message": "OK",
  "request_id": "{{request_id}}",
  "data": {
    "task_ids": [
      "{{task_id}}",
      "{{task_id}}"
    ]
  }
}
```

Get the results of image-to-video tasks

Use this endpoint to retrieve the results of one or more image-to-video tasks. An image-to-video task converts your images into engaging video clips.

Request

Endpoint https://business-api.tiktok.com/open_api/v1.3/creative/aigc/video/task/list/

Method GET

Header

Field	Data Type	Description
Access-Token Required	string	Authorized access token. For details, see Authentication .

Parameters

Field	Data Type	Description
aigc_video_type	string	<p>The type of AI-generated content (AIGC) video to filter the results by.</p> <p>Enum value:</p> <ul style="list-style-type: none">IMAGE_ANIMATION: Animated videos generated from image-to-video tasks that convert your product images into engaging video clips. <p>Note: If this field is not passed, the response will only include tasks for dubbed videos.</p>
task_ids Required	string[]	<p>The ID list of AIGC video tasks to retrieve the results for.</p> <p>Max size: 5.</p> <p>To create image-to-video tasks and obtain task IDs, use /creative/aigc/image_animation/task/create/.</p>

Example

Unset

```
curl --location --request GET
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/video/task/list/
?aigc_video_type=IMAGE_ANIMATION&task_ids=["{{task_id}}","{{task_id}}"]'\
--header 'Access-Token: {{Access-Token}}'
```

Response

Field	Data Type	Description
code	number	Response code. For the complete list of response codes and descriptions, see Appendix - Return Codes .
message	string	Response message. For details, see Appendix - Return Codes .
request_id	string	The log ID of a request, which uniquely identifies the request.

data	object	Returned data.
list	object[]	Information about the list of AIGC video tasks.
task_id	string	The ID of the AIGC video task.
aigc_video_type	string	The type of AI-generated content (AIGC) video. Enum value: <ul style="list-style-type: none"> IMAGE_ANIMATION: Animated videos generated from image-to-video tasks that convert your product images into engaging video clips.
status	string	The status of the AIGC video task. Enum values: <ul style="list-style-type: none"> SUBMITTED: The task was submitted and has not been processed. PROCESSING: The task is being processed. SUCCESS: The task succeeded. FAILED: The task failed.
video_name	string	The name of the video. This field will default to "(lower case){aigc_video_type}-{YYYYMMDDHHMMSS}-{three random characters}". Example: image_animation-20250519063832-cDc .
video_id	string	The ID of the generated AIGC video. Note : This value of this field cannot be passed to video_ids in /file/video/ad/search/ or /file/video/ad/info/ because AIGC videos are not synced to the Asset Library of an ad account.
preview_url	string	The preview URL of the generated AIGC video. Validity period: six hours. After the URL expires, you need to create a new video task to obtain a new preview URL.

Example

Unset

HTTPS/1.1 200 OK

```
{
  "code": 0,
```

```

"message": "OK",
"request_id": "{{request_id}}",
"data": {
  "list": [
    {
      "aigc_video_type": "IMAGE_ANIMATION",
      "preview_url": "{{preview_url}}",
      "status": "SUCCESS",
      "task_id": "{{task_id}}",
      "video_id": "{{video_id}}",
      "video_name": "{{video_name}}"
    },
    {
      "aigc_video_type": "IMAGE_ANIMATION",
      "preview_url": "{{preview_url}}",
      "status": "SUCCESS",
      "task_id": "{{task_id}}",
      "video_id": "{{video_id}}",
      "video_name": "{{video_name}}"
    }
  ]
}

```

Get animated videos

Use this endpoint to retrieve the list of animated videos under your TikTok For Business account.

Request

Endpoint https://business-api.tiktok.com/open_api/v1.3/creative/aigc/video/list/

Method GET

Header

Field	Data Type	Description

Access-Token Required	string	Authorized access token. For details, see Authentication .
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Parameters

Field	Data Type	Description
aigc_video_types	string[]	<p>The types of AI-generated content (AIGC) video to filter the results by.</p> <p>Enum value:</p> <ul style="list-style-type: none"> IMAGE_ANIMATION: Animated videos generated from image-to-video tasks that convert your product images into engaging video clips. <p>Note: If this field is not passed, the response will only include tasks for dubbed videos.</p>
page	integer	<p>Current page number.</p> <p>Default value: 1.</p> <p>Value range: ≥ 1.</p>
page_size	integer	<p>Page size.</p> <p>Default value: 10.</p> <p>Value range: 1-100.</p>

Example

Unset

```
curl --location --request GET
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/video/list/?aigc_video_types=["IMAGE_ANIMATION"]&page=1&page_size=100' \
--header 'Access-Token: {{Access-Token}}'
```

Response

Field	Data Type	Description
code	number	Response code. For the complete list of response codes and descriptions, see Appendix - Return Codes .

message	string	Response message. For details, see Appendix - Return Codes .
request_id	string	The log ID of a request, which uniquely identifies the request.
data	object	Returned data. Note: If your image-to-video tasks didn't succeed, this field will be an empty object ({}).
list	object[]	Information about the list of AIGC videos.
aigc_video_type	string	The type of AI-generated content (AIGC) video. Enum value: <ul style="list-style-type: none"> IMAGE_ANIMATION: Videos generated from image-to-video tasks that convert your product images into engaging video clips.
video_name	string	The name of the video. If not specified, this field will default to "(lower case){aigc_video_type}-{YYYYMMDDHHMMSS}-{three random characters}". Example: image_animation-20250519063832-cDc .
video_id	string	The ID of the generated AIGC video. Note: This value of this field cannot be passed to video_ids in /file/video/ad/search/ or /file/video/ad/info/ because AIGC videos are not synced to the Asset Library of an ad account.
create_time	string	The time when the video was created, in the format of YYYY-MM-DD HH:MM:SS (UTC time). Example: 2025-01-01 00:00:01 .
preview_url	string	The preview URL of the generated AIGC video. Validity period: six hours. After the URL expires, you need to create a new video task to obtain a new preview URL.
page_info	object	Pagination information.
page	integer	Current page number.
page_size	integer	Page size.
total_number	integer	Total number of results.

total_page	integer	Total pages of results.
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Example

Unset

HTTPS/1.1 200 OK

```
{
  "code": 0,
  "message": "OK",
  "request_id": "{{request_id}}",
  "data": {
    "list": [
      {
        "aigc_video_type": "IMAGE_ANIMATION",
        "create_time": "{{create_time}}",
        "preview_url": "{{preview_url}}",
        "video_id": "{{video_id}}",
        "video_name": "{{video_name}}"
      },
      {
        "aigc_video_type": "IMAGE_ANIMATION",
        "create_time": "{{create_time}}",
        "preview_url": "{{preview_url}}",
        "video_id": "{{video_id}}",
        "video_name": "{{video_name}}"
      }
    ],
    "page_info": {
      "page": 1,
      "page_size": 100,
      "total_number": 2,
      "total_page": 1
    }
  }
}
```