[External] Generate & Remix Videos API

📌 The Generate & Remix Videos 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 Generate & Remix Videos API endpoints. At this time, we will be enrolling a limited number of developers and will be approving more applications in a phased timeline.

Change Log

Date	Product Update	Endpoint Details
December 2024	The avatar video mode is now available in Generate & Remix Videos API, enabling seamless integration of lifelike avatar presentations into your video content. This enhancement can transform your content into dynamic presentations with AI-powered avatars that capture audience attention.	/v1.3/creative/aigc/video/task/create/ /v1.3/creative/aigc/video/task/list/ /v1.3/creative/aigc/video/list/
December 2024	Alpha launch of Generate & Remix Videos API.	/v1.3/creative/aigc/video/task/create/ /v1.3/creative/aigc/video/task/list/ /v1.3/creative/aigc/video/list/ /v1.3/file/video/ad/upload/

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
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: *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](#).*
At any point in the user interface where an end user can download any AI-generated assets offline, developers must include a notice prior to downloading informing the end user of the following: *If you choose to download and edit any output, you agree that such output can only be shared or published on TikTok-branded platforms, and that you will not intentionally remove or modify any watermarks contained therein.*

Overview

The Generate & Remix Videos API is a comprehensive solution for automated content creation on TikTok. By leveraging AI technologies, this solution turns minimal raw asset inputs and product or service information into TikTok-style videos.

With three distinct video generation modes: stock asset remixes, voiceover narrations, and Digital Avatar presentations, this API offers a range of options for content creation.

The benefits of AI-driven remixed videos include:

- **Production efficiency**: Transform raw assets into complete videos within minutes, eliminating traditional production bottlenecks and resource constraints.
- **Creative flexibility**: Choose from multiple content formats to match your messaging needs, from personality-driven avatar presentations to voiceover narratives.
- **Scalability with consistency**: Generate multiple video variations while maintaining consistent brand messaging and TikTok-native engagement patterns.

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.
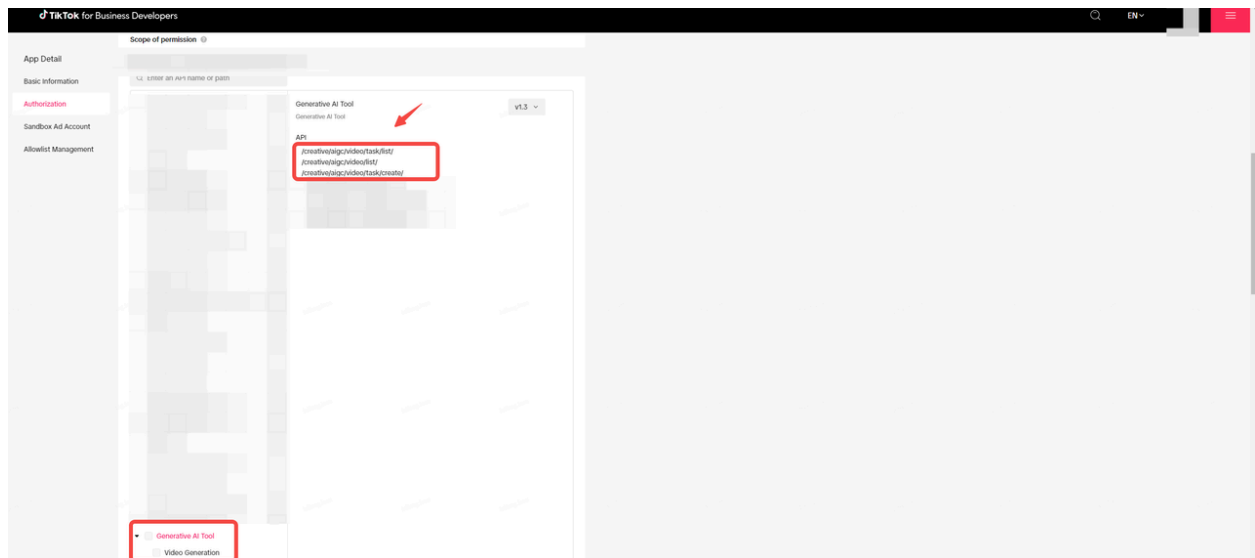
Step-by-step onboarding workflow
If you are new to API for Business, complete the following steps before making your first API call.

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 Dubbed Translations API. To learn about how to update your developer app permission, see [here](#).

1. **QPS limit**

Limit your calls to 20 QPM (queries per minute), equivalent to 0.3 QPS (queries per second), for each Generate & Remix Videos API endpoint per developer app to maintain optimal performance and prevent overload.

Workflow

The workflow varies depending on the specific remixed videos that you want to generate.

To generate remixed videos featuring Digital Avatars, follow the following steps:

1. **Create asynchronous video generation and remix tasks** using [/creative/aigc/video/task/create/](#).
2. **Check the results of video generation and remix tasks** using [/creative/aigc/video/task/get/](#). Confirm the `status` of each task is `SUCCESS`.
3. **Access remixed videos** using [/creative/aigc/video/list/](#). Download the remixed videos from the returned `preview_url`.

To generate remixed videos with voiceovers or remixed videos without Digital Avatars or voiceovers, follow the following steps:

1. **Upload videos to the stock library** using [/file/video/ad/upload/](#).
2. **Create asynchronous video generation and remix tasks** using [/creative/aigc/video/task/create/](#). Pass video IDs obtained from Step 1 to the request parameter `video_id_list`.
3. **Check the results of video generation and remix tasks** using [/creative/aigc/video/task/get/](#). Confirm the `status` of each task is `SUCCESS`.
4. **Access remixed videos** using [/creative/aigc/video/list/](#). Download the remixed videos from the returned `preview_url`.

API Reference

The Generate & Remix Videos API is a comprehensive solution for automated content creation on TikTok. By leveraging AI technologies, this solution turns minimal raw asset inputs and product or service information into TikTok-style videos. With the Generate & Remix Videos API, you can create video content using three distinct video generation modes: stock asset remixes, voiceover narrations, and Digital Avatar presentations.

This group consists of the following endpoints:

- [Upload videos to the stock library](#)
- [Create video generation and remix tasks](#)
- [Get the results of video generation and remix tasks](#)
- [Get remixed videos](#)

Upload videos to the stock library

Use this endpoint to upload a video to the stock library. You can then use IDs of videos from the stock library to [create video generation and remix tasks](#).
Request timeout for this interface is 10 seconds, and the transmission speed depends on network bandwidth. Make sure that the file size is reasonable.

> **Important**
> By uploading assets, you confirm the following: you have the necessary legal rights to the assets, the assets do not include any unauthorized 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](#).

Request

Endpoint https://business-api.tiktok.com/open_api/v1.3/file/video/ad/upload/
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. If `upload_type` is `UPLOAD_BY_URL`, use `application/json`.

Parameters

Field	Data Type	Description
upload_type Required	string	Video upload method. Enum values: `UPLOAD_BY_URL`.
use_scenario Required	string	The use scenario for the video. Enum value: `AIGC` (for video generation and remix tasks).

video_url Conditional	string	Required when `upload_type` is `UPLOAD_BY_URL`. Video URL address, such as http://xxx.xxx. (1) File size: better within 10MB. (2) Verification: We will verify `Content-Type` in the response header. A common invalid media type is text (`Content-Type` = text/*, such as text/html, text/plain). Also, we will verify the data if you set a `Content-MD5` in the response header. (3) Encoding: The URL needs to be a valid URL in the browser. For instance, the spaces in the URL need to be encoded into `%20`. You can copy and paste the URL into a browser address bar, then the URL will be automatically encoded. (4) Specifications: • Aspect ratio：9:16, 16:9, and 1:1. • Format：.mp4, .mov, .mpeg, .avi. **Note**: Before uploading, make sure that the video URL is **playable** and in a **supported format**. If the URL is invalid or in an unsupported format (i.e. txt.), you may see an error message or obtain an invalid video ID that cannot be used for task creation.

Example

```
Unset
curl --location --request POST
'https://business-api.tiktok.com/open_api/v1.3/file/video/ad/uplo
ad/' \
--header 'Access-Token: {{Access-Token}}' \
--header 'Content-Type: application/json' \
--data '{
    "upload_type":"UPLOAD_BY_URL",
    "use_scenario":"AIGC",
    "video_url":"{{video_url}}"
}'
```

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.
video_id	string	Video ID. You pass the video ID to the request parameter `video_id_list` in /creative/aigc/video/task/create/.

Example

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

Create a video generation and remix task

Use this endpoint to create an asynchronous video generation and remix task.
After you create the task, call /creative/aigc/video/task/get/ to check the task results.

Request

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

Parameters

Field	Data Type	Description
aigc_video_type Required	string	The type of AI-generated content (AIGC) video to create. Enum values: ● `STOCK_VIDEO`: Remixed videos without a voiceover or Digital Avatar to introduce the product or service. ● `AVATAR_PRODUCT`: Remixed videos featuring a Digital Avatar to introduce the product or service. ● `VOICEOVER`: Remixed videos with a voiceover to introduce the product or service. **Note**: The Digital Avatar is currently an allowlist-only feature. If you would like to access it, contact your TikTok representative.
product_video_info Conditional	object	Required when `aigc_video_type` is `STOCK_VIDEO`, `AVATAR_PRODUCT`, or `VOICEOVER`. An object containing information about the materials used to create video generation and remix tasks.
video_generation_count	number	The number of videos to generate. Value range: 1-5. Default value: 1.

target_language	string	- Valid when `video_generation_type` is `AVATAR_PRODUCT` or `VOICEOVER`. - When `video_generation_type` is `STOCK_VIDEO`, this field will be ignored. The target language of the generated videos. Enum values: `en`: English. `fr`: French. `de`: German. `id`: Indonesian. `es`: Spanish. Default value: `en`.
product_info_list Conditional	object[]	Required when `aigc_video_type` is `STOCK_VIDEO`, `AVATAR_PRODUCT`, or `VOICEOVER`. An array of objects containing information about the product or service. Max size: 1.
source_language Conditional	string	Required when `product_info_list` is passed. Source language of the product or service information. Enum values: `en`: English. `fr`: French. `de`: German. `id`: Indonesian. `es`: Spanish. Ensure that the source language is correct and matches the product or service information, in order to guarantee the task success rate.
product_name Conditional	string	Required when `product_info_list` is passed. The name of the product or service. Length limit: 500 characters.
title Conditional	string	Required when `product_info_list` is passed. The title of the product or service. Length limit: 500 characters.

description Conditional	string	Required when `product_info_list` is passed. The description of the product or service. Length limit: 300 characters.
selling_points Conditional	string[]	Required when `product_info_list` is passed. An array of strings containing selling points of the product or service. Each string in this array represents one selling point and should be a phrase. Max size: 10. Recommended length for each selling point: no more than 10 words. Example: `["New Customer Discount", "50% Off Summer Special"]`.
brand	string	The brand of the product or service. Length limit: 100 characters.
price	float	The price of the product or service, kept to two decimal places. Example: 12.98
currency	string	The currency for the price, in ISO 4217 code format. Example: `USD`.
input_image_list Conditional	object	- Required when `video_generation_type` is `AVATAR_PRODUCT`. - Optional when `video_generation_type` is `STOCK_VIDEO` or `VOICEOVER`. The image list for the product or service.
image_url_list	string[]	A list of image URLs. Size range: 3-30. Supported image formats: PNG, JPEG, PPM, GIF, TIFF, and BMP. Ensure that the URLs are valid. Otherwise, they won't be used for video generation.
input_video_list Conditional	object	- Required when `video_generation_type` is `STOCK_VIDEO` or `VOICEOVER`. - Optional when `video_generation_type` is `AVATAR_PRODUCT`. The video list for the product or service.

video_id_list	string[]	A list of video IDs from the stock library. Size range: 1-20. For the best results, upload at least two videos, each between 15 seconds and one minute, without captions. Specify videos of high quality, such as high resolution and bitrate, to ensure the quality of generated videos. To upload videos to the stock library and obtain video IDs, use /file/video/ad/upload/.
avatar_info	object	- Valid only when `video_generation_type` is `AVATAR_PRODUCT`. - When `video_generation_type` is `STOCK_VIDEO` or `VOICEOVER`, this field will be ignored. Information about the Digital Avatar.
avatar_id Conditional	string	Required when `avatar_info` is passed. ID of the Digital Avatar. If not specified when `video_generation_type` is `AVATAR_PRODUCT`, the system will automatically choose a Digital Avatar to generate the video. To obtain Digital Avatar IDs, use /creative/digital_avatar/get/. **Note**: The Digital Avatar is currently an allowlist-only feature. If you would like to access it, contact your TikTok representative.

Example

Create a `STOCK_VIDEO` video task

```
Unset
curl --location  --request POST
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/vide
o/task/create/' \
--header 'Access-Token: {{Access-Token}}' \
--header 'Content-Type: application/json' \
--data '{
    "aigc_video_type": "STOCK_VIDEO",
    "product_video_info": {
        "video_generation_count":5,
```

```
        "product_info_list": [
            {
                "source_language": "en",
                "product_name": "{{product_name}}",
                "title": "{{title}}",
                "description": "{{description}}",
                "selling_points": [
                    "{{selling_point}}",
                    "{{selling_point}}"
                ],
                "brand": "{{brand}}",
                "price": {{price}},
                "currency": "USD"
            }
        ],
        "input_video_list": {
            "video_id_list": [
                "{{video_id}}",
                "{{video_id}}"
            ]
        }
    }
}'
```

Create an AVATAR_PRODUCT video task

```
Unset
curl --location  --request POST
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/vide
o/task/create/' \
--header 'Access-Token: {{Access-Token}}' \
--header 'Content-Type: application/json' \
--data '{
    "aigc_video_type": "AVATAR_PRODUCT",
    "product_video_info": {
        "video_generation_count":5,
```

```
            "target_language": "en",
            "product_info_list": [
                {
                    "source_language": "en",
                    "product_name": "{{product_name}}",
                    "title": "{{title}}",
                    "description": "{{description}}",
                    "selling_points": [
                        "{{selling_point}}",
                        "{{selling_point}}"
                    ],
                    "brand": "{{brand}}",
                    "price": {{price}},
                    "currency": "USD"
                }
            ],
            "input_image_list": {
                "image_url_list": [
                    "{{image_url}}",
                    "{{image_url}}",
                    "{{image_url}}"
                ]
            },
            "input_video_list": {
                "video_id_list": [
                    "{{video_id}}",
                    "{{video_id}}"
                ]
            },
            "avatar_info": {
                "avatar_id": "{{avatar_id}}"
            }
        }
    }'
```

Create a VOICEOVER video task

```Unset
curl --location  --request POST
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/vide
o/task/create/' \
--header 'Access-Token: {{Access-Token}}' \
--header 'Content-Type: application/json' \
--data '{
    "aigc_video_type": "VOICEOVER",
    "product_video_info": {
        "video_generation_count":5,
        "target_language": "en",
        "product_info_list": [
            {
                "source_language": "en",
                "product_name": "{{product_name}}",
                "title": "{{title}}",
                "description": "{{description}}",
                "selling_points": [
                    "{{selling_point}}",
                    "{{selling_point}}"
                ],
                "brand": "{{brand}}",
                "price": {{price}},
                "currency": "USD"
            }
        ],
        "input_video_list": {
            "video_id_list": [
                "{{video_id}}",
                "{{video_id}}"
                ]
        }
    }
}'
```

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 AIGC video tasks.

Example

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

Get the results of video generation and remix tasks

Use this endpoint to retrieve the results of one or more video generation and remix tasks.

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
task_ids Required	string[]	The ID list of AIGC video tasks to retrieve the results for. Max size: 5. To create AIGC video tasks and obtain the task IDs, use /creative/aigc/video/task/create/.
aigc_video_type	string	TThe type of AI-generated content (AIGC) video to filter the results by. Enum values: • `STOCK_VIDEO`: Remixed videos without a voiceover or Digital Avatar to introduce the product or service. • `AVATAR_PRODUCT`: Remixed videos featuring a Digital Avatar to introduce the product or service. • `VOICEOVER`: Remixed videos with a voiceover to introduce the product or service. **Note**: If this field is not passed, the response will only include tasks for dubbed videos.

Example

```
Unset
curl --location  --request GET
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/vide
o/task/list/?task_ids=["{{task_id}}","{{task_id}}"]&aigc_video_ty
pe=VOICEOVER' \
--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 values: ● `STOCK_VIDEO`: Remixed videos without a voiceover or Digital Avatar to introduce the product or service. ● `AVATAR_PRODUCT`: Remixed videos featuring a Digital Avatar to introduce the product or service. ● `VOICEOVER`: Remixed videos with a voiceover to introduce the product or service.
status	string	The status of the AIGC video task. Enum values: ● `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_id	string	The ID of the generated AIGC video. If `status` is `SUBMITTED`, `PROCESSING` or `FAILED`, this field will not be returned. **Note**: This value of this field cannot be passed to `video_ids` in [/file/video/ad/search/](#) or [/file/video/ad/info/](#) directly because by default 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.

If `status` is SUBMITTED, PROCESSING or FAILED, this field will not be returned. |
|---|---|---|

Example

```
Unset
HTTPS/1.1 200 OK
{
    "code": 0,
    "message": "OK",
    "request_id": "{{request_id}}",
    "data": {
        "list": [
            {
                "aigc_video_type": "VOICEOVER",
                "preview_url": "{{preview_url}}",
                "status": "SUCCESS",
                "task_id": "{{task_id}}",
                "video_id": "{{video_id}}"
            },
            {
                "aigc_video_type": "VOICEOVER",
                "preview_url": "{{preview_url}}",
                "status": "SUCCESS",
                "task_id": "{{task_id}}",
                "video_id": "{{video_id}}"
            }
        ]
    }
}
```

Get remixed videos

Use this endpoint to retrieve the list of remixed 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.

Parameters

Field	Data Type	Description
aigc_video_types	string[]	The types of AI-generated content (AIGC) videos to filter the results by. Enum values: ● `STOCK_VIDEO`: Remixed videos without a voiceover or Digital Avatar to introduce the product or service. ● `AVATAR_PRODUCT`: Remixed videos featuring a Digital Avatar to introduce the product or service. ● `VOICEOVER`: Remixed videos with a voiceover to introduce the product or service. **Note**: If this field is not passed, the response will only include tasks for dubbed videos.
page	number	Current page number. Default value: 1. Value range: ≥ 1.
page_size	number	Page size. Default value: 10. Value range: 1-100.

Example

```
Unset
curl --location --request GET
'https://business-api.tiktok.com/open_api/v1.3/creative/aigc/vide
o/list/?aigc_video_types=["VOICEOVER"]' \
--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[]	The list of AIGC videos within the TikTok For Business account.
aigc_video_type	string	The type of AI-generated content (AIGC) video. Enum values: ● `STOCK_VIDEO`: Remixed videos without a voiceover or Digital Avatar to introduce the product or service. ● `AVATAR_PRODUCT`: Remixed videos featuring a Digital Avatar to introduce the product or service. ● `VOICEOVER`: Remixed videos with a voiceover to introduce the product or service.
video_id	string	The ID of the AIGC video.
video_name	string	The name of the AIGC video. The video name will default to `{aigc_video_type}`-`{YYYYMMDDHHMMSS}`-{three random characters}. Example: `"VOICEOVER-20240101000001-ABC"`.
create_time	string	The time when the AIGC video was created, in the format of `"YYYY-MM-DD HH:MM:SS"` (UTC time). Example: `"2024-01-01 00:00:01"`.
preview_url	string	The preview URL of the 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	number	Current page number.
page_size	number	Paging size.
total_number	number	Total number of results.
total_page	number	Total pages of results.

Example

```
Unset
HTTPS/1.1 200 OK
{
    "code": 0,
    "message": "OK",
    "request_id": "{{request_id}}",
    "data": {
        "list": [
            {
                "aigc_video_type": "VOICEOVER",
                "create_time": "{{create_time}}",
                "preview_url": "{{preview_url}}",
                "video_id": "{{video_id}}",
                "video_name": "{{video_name}}"
            },
            {
                "aigc_video_type": "VOICEOVER",
                "create_time": "{{create_time}}",
                "preview_url": "{{preview_url}}",
                "video_id": "{{video_id}}",
                "video_name": "{{video_name}}"
            }
```

```
        ],
        "page_info": {
            "page": 1,
            "page_size": 10,
            "total_number": 2,
            "total_page": 1
        }
    }
}
```