「Kling AI」API Specification快手内部文档请勿外传

|  |  |
| --- | --- |
| **Update Time** | **Update Notes** |
| 2025.3.12 | [**【Video Generation - Video Effects】New Feature: Single Image Effect**](#h.q1j0jthz2skm)   * + Launch of "Single Image Effects": 2 types available, squish, expansion   + Includes create task, query task (single), and query task (list) interfaces   [**【Video Generation】New models supports start/end frame, end frame, motion brush, camera control**](#h.fmxngb1y8v9l)   * + V1.5 Model PRO mode supports start/end frame, end frame, motion brush, camera control(simple only)   + V1.6 Model PRO mode supports start/end frame |
| 2025.3.5 | [**【Video Generation】New Feature: Creative Video Effects**](#h.q1j0jthz2skm)   * + Launch of "Dual-character Effects": 3 types available, "hug", "kiss", and "heart\_gesture".   + Includes create task, query task (single), and query task (list) interfaces   Compared to the general video generation API, the video effects API provides more flexible calling parameters and integrates pre- and post-processing functionalities tailored for special effects (e.g., dual-character effects). For example, it allows users to input two portrait images, automatically stitches them into a single composite image, and generates the video using the stitched image. This makes the API more flexible and efficient. |
| 2025.2.14 | **【Image Generation】The "model" field has been changed to "model\_name"**  Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.   * At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model). |
| 2025.1.7 | [**【Video Generation】V1.6 Model Officially Launched**](#h.3i0cmmxulc33)   * Supports text-to-video STD mode, image-to-video STD mode, and image-to-video PRO mode * Currently does not support tail frame, motion brushes, camera control, and other control features   Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.   * At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model). |
| 2024.12.30 | **【Virtual Try-On】New V1.5 model**   * V1.5 model is a comprehensive upgrade of V1.0 model * V1.5 model supports single clothing (upper, lower, and dress dress) try-on, as well as "upper + lower" combination try-on |
| 2024.12.23 | **【Video Generation】 New Feature: Lip-Sync**   * Videos generated by the Kling V1.0 model and Kling V1.5 model support lip-sync as long as the video meets the facial requirements * Includes create task, query task (single), and query task (list) interfaces |
| 2024.12.9 | **【Video Generation】Kling V1.5 Std Model Now Open for Video Generation: Image-to-Video Functionality Enabled, Text-to-Video Unsupported**   * Supports standard mode * Tail frame control is not supported * All other parameters are supported   Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.   * At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model). |
| 2024.12.2 | **【Video Generation】Capability Map**   * With multiple versions of the video generation model (V1, V1.5) and various plugin capabilities (e.g., camera control, start/end frame, motion brush, video extension, etc.), we have created a "**Capability Map**" to make it easier for everyone to visually check the availability of different versions and features. For details, please refer to the "**3-0 Capability Map.**" |
| 2024.11.29 | **【Video Generation - ImageToVideo】New Feature: Motion Brush**   * This feature is only supported in Standard Mode 5s and Professional Mode 5s for the V1.0 model, and is currently not available for the V1.5 model. |
| 2024.11.15 | **【Video Generation】Kling V1.5 Pro Model Now Open for Video Generation: Image-to-Video Functionality Enabled, Text-to-Video Unsupported**   * Only supports professional mode * Tail frame control is not supported * All other parameters are supported   **【Video Generation】 New Feature: Video Extension**   * Supports extending videos generated by the V1.0 model directly, adding 4-5 seconds of video length per extension * Includes create task, query task (single), and query task (list) interfaces   **【Video Generation】Other Updates**   * Added "external\_task\_id" field, allowing you to customize a task ID when creating a task, and query the video using this custom ID when needed   Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.   * At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model). |
| 2024.10.30 | Added the "Query Resource Package List and Remaining Quantity" interface for your convenience. See "**Section VI: Account Information Query**". |
| 2024.10.25 | To clarify the storage duration of model-generated content (images/videos):   * To ensure information security, **generated images/videos will be cleared after 30 days**. Please make sure to save them promptly. |
| 2024.10.15 | Add a sample **Java** code for generating the API\_Token. |
| 2024.9.19 | Video Generation   * When creating a task, the character limit for the **prompt** and **negative\_prompt** in the request parameters has been updated to: **cannot exceed 2500 characters**. |
| 2024.9.19 | Officially supporting the "**AI Virtual Try-on**" related API (**kolors-virtual-try-on**). |

# I. General Information

### API Domain

https://api.klingai.com

### API Authentication

* Step-1：Obtain AccessKey + SecretKey
* Step-2：Every time you request the API, you need to generate an API Token according to the Fixed Encryption Method, Authorization = Bearer <API Token> in Requset Header
* Encryption Method：Follow JWT（Json Web Token, RFC 7519）standard
* JWT consists of three parts：Header、Payload、Signature
* Sample code (Python)：

|  |
| --- |
| import time  import jwt  ak = "" # fill access key  sk = "" # fill secret key  def encode\_jwt\_token(ak, sk):  headers = {  "alg": "HS256",  "typ": "JWT"  }  payload = {  "iss": ak,  "exp": int(time.time()) + 1800, # The valid time, in this example, represents the current time+1800s(30min)  "nbf": int(time.time()) - 5 # The time when it starts to take effect, in this example, represents the current time minus 5s  }  token = jwt.encode(payload, sk, headers=headers)  return token  authorization = encode\_jwt\_token(ak, sk)  print(authorization) # Printing the generated API\_TOKEN |

* Sample code (Java):

|  |
| --- |
| package test;  import com.auth0.jwt.JWT;  import com.auth0.jwt.algorithms.Algorithm;  import java.util.Date;  import java.util.HashMap;  import java.util.Map;  public class JWTDemo {    static String ak = ""; // fill access key  static String sk = ""; // fill secret key    public static void main(String[] args) {  String token = sign(ak, sk);  System.out.println(token); // Printing the generated API\_TOKEN  }  static String sign(String ak,String sk) {  try {  Date expiredAt = new Date(System.currentTimeMillis() + 1800\*1000); // The valid time, in this example, represents the current time+1800s(30min)  Date notBefore = new Date(System.currentTimeMillis() - 5\*1000); // The time when it starts to take effect, in this example, represents the current time minus 5s  Algorithm algo = Algorithm.HMAC256(sk);  Map<String, Object> header = new HashMap<String, Object>();  header.put("alg", "HS256");  return JWT.create()  .withIssuer(ak)  .withHeader(header)  .withExpiresAt(expiredAt)  .withNotBefore(notBefore)  .sign(algo);  } catch (Exception e) {  e.printStackTrace();  return null;  }  }  } |

* Step-3: Use the API Token generated in Step 2 to assemble the Authorization and include it in the Request Header.
* Assembly format: Authorization = "Bearer XXX", where XXX is the API Token generated in Step 2.
* Note: There should be a space between Bearer and XXX.

### Error Code

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **HTTP Status Code** | **Service Code** | **Definition of Service Code** | **Explaination of Service Code** | **Suggested Solutions** |
| 200 | 0 | Request | - | - |
| 401 | 1000 | Authentication failed | Authentication failed | Check if the Authorization is correct |
| 401 | 1001 | Authentication failed | Authorization is empty | Fill in the correct Authorization in the Request Header |
| 401 | 1002 | Authentication failed | Authorization is invalid | Fill in the correct Authorization in the Request Header |
| 401 | 1003 | Authentication failed | Authorization is not yet valid | Check the start effective time of the token, wait for it to take effect or reissue |
| 401 | 1004 | Authentication failed | Authorization has expired | Check the validity period of the token and reissue it |
| 429 | 1100 | Account exception | Account exception | Verifying account configuration information |
| 429 | 1101 | Account exception | Account in arrears (postpaid scenario) | Recharge the account to ensure sufficient balance |
| 429 | 1102 | Account exception | Resource pack depleted or expired (prepaid scenario) | Purchase additional resource packages, or activate the post-payment service (if available) |
| 403 | 1103 | Account exception | Unauthorized access to requested resource, such as API/model | Verifying account permissions |
| 400 | 1200 | Invalid request parameters | Invalid request parameters | Check whether the request parameters are correct |
| 400 | 1201 | Invalid request parameters | Invalid parameters, such as incorrect key or illegal value | Refer to the specific information in the message field of the returned body and modify the request parameters |
| 404 | 1202 | Invalid request parameters | The requested method is invalid | Review the API documentation and use the correct request method |
| 404 | 1203 | Invalid request parameters | The requested resource does not exist, such as the model | Refer to the specific information in the message field of the returned body and modify the request parameters |
| 400 | 1300 | Trigger strategy | Trigger strategy of the platform | Check if any platform policies have been triggered |
| 400 | 1301 | Trigger strategy | Trigger the content security policy of the platform | Check the input content, modify it, and resend the request |
| 429 | 1302 | Trigger strategy | The API request is too fast, exceeding the platform's rate limit | Reduce the request frequency, try again later, or contact customer service to increase the limit |
| 429 | 1303 | Trigger strategy | Concurrency or QPS exceeds the prepaid resource package limit | Reduce the request frequency, try again later, or contact customer service to increase the limit |
| 429 | 1304 | Trigger strategy | Trigger the platform's IP whitelisting policy | Contact customer service |
| 500 | 5000 | Internal error | Server internal error | Try again later, or contact customer service |
| 503 | 5001 | Internal error | Server temporarily unavailable, usually due to maintenance | Try again later, or contact customer service |
| 504 | 5002 | Internal error | Server internal timeout, usually due to a backlog | Try again later, or contact customer service |

# II. Image generation

### 2-1【Image Generation】Create task

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/generations |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Body

Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.

* At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default** | **Description** |
| model\_name | string | Optional | kling-v1 | Model Name   * Enum values：kling-v1 |
| prompt | string | Required | None | Positive text prompt   * Cannot exceed 500 characters |
| negative\_prompt | string | Optional | Null | Negative text prompt   * Cannot exceed 200 characters   Note: In the Image-to-Image scenario (when the "image" field is not empty), negative prompts are not supported. |
| image | string | Optional | Null | Reference Image   * Support inputting image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:   |  | | --- | | iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg== |     **Incorrect** Base64 encoded parameter (includes the data: prefix):   |  | | --- | |  |     Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the image resolution should not be less than 300\*300px |
| image\_fidelity | float | Optional | 0.5 | Reference intensity for user-uploaded images during generation   * Value range：[0,1]，The larger the value, the stronger the reference intensity |
| n | int | Optional | 1 | Number of generated images   * Value range：[1,9] |
| aspect\_ratio | string | Optional | 16:9 | Aspect ratio of the generated images (width:height)   * Enum values：16:9, 9:16, 1:1, 4:3, 3:4, 3:2, 2:3 |
| callback\_url | string | Optional | None | The callback notification address for the result of this task. If configured, the server will actively notify when the task status changes   * The specific message schema of the notification can be found in "Callback Protocol" |

#### Response Body

|  |
| --- |
| {  "code": 0, //Error Codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms  }  } |

### 2-2【Image Generation】Query Task（Single）

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/generations/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| task\_id | string | Required | None | The task ID generated by images   * Request Path Parameters，directly fill the Value in the request path |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms  "task\_result":{  "images":[  {  "index": int, //Image Number，0-9  "url": "string" //URL for generating images，such as：https://h1.inkwai.com/bs2/upload-ylab-stunt/1fa0ac67d8ce6cd55b50d68b967b3a59.png(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  }  ]  }  }  } |

#### 

### 2-3【Image Generation】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/generations |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

/v1/images/generations?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| pageNum | int | Optional | 1 | Page number   * Value range：[1,1000] |
| pageSize | int | Optional | 30 | Data volume per page   * Value range：[1,500] |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems  "data":[  {  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms  "task\_result":{  "images":[  {  "index": int, //Image Number，0-9  "url": "string" //URL for generating images，such as：https://h1.inkwai.com/bs2/upload-ylab-stunt/1fa0ac67d8ce6cd55b50d68b967b3a59.png(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  }  ]  }  }  ]  } |

#### 

# III. Video Generation

### **3-0 Capability Map**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **kling-v1** |  | **kling-v1-5** |  | **kling-v1-6** |  |
| **Mode** | **STD** | **PRO** | **STD** | **PRO** | **STD** | **PRO** |
| **Resolution** | 720p | 720p | 720p | 1080p | 720p | 1080p |
| **Frame Rate** | 30fps | 30fps | 30fps | 30fps | 24fps | 24fps |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **kling-v1** |  | **std 5s** | **std 10s** | **pro 5s** | **pro10s** |
| **text**  **to video** | video generation | ✅ | ✅ | ✅ | ✅ |
| camera control | ✅ | - | - | - |
| **image**  **to video** | video generation | ✅ | ✅ | ✅ | ✅ |
| start/end frame | ✅ | - | ✅ | - |
| motion brush | ✅ | - | ✅ | - |
| others | - | - | - | - |
| **video extension** |  | ✅ | ✅ | ✅ | ✅ |
| **lip sync** |  | ✅ | ✅ | ✅ | ✅ |
| **video effects**  Dual-character: Hug, Kiss, heart\_gesture |  | ✅ | ✅ | ✅ | ✅ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **kling-v1-5** |  | **std 5s** | **std 10s** | **pro 5s** | **pro10s** |
| **text**  **to video** | video generation | - | - | - | - |
| others | - | - | - | - |
| **image**  **to video** | video generation | ✅ | ✅ | ✅ | ✅ |
| start/end frame | - | - | ✅ | ✅ |
| end frame | - | - | ✅ | ✅ |
| motion brush | - | - | ✅ | - |
| camera control  （simple only） | - | - | ✅ | - |
| others | - | - | - | - |
| **video extension** |  | - | - | coming soon | coming soon |
| **lip sync** |  | ✅ | ✅ | ✅ | ✅ |
| **video effects**  Dual-character: Hug, Kiss, heart\_gesture |  | ✅ | ✅ | ✅ | ✅ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **kling-v1-6** |  | **std 5s** | **std 10s** | **pro 5s** | **pro10s** |
| **text**  **to video** | video generation | ✅ | ✅ | - | - |
| others | - | - | - | - |
| **image**  **to video** | video generation | ✅ | ✅ | ✅ | ✅ |
| start/end frame | - | - | ✅ | ✅ |
| others | - | - | - | - |
| **lip sync** |  | ✅ | ✅ | ✅ | ✅ |
| **others** |  | - | - | - | - |
| **video effects**  Dual-character: Hug, Kiss, heart\_gesture |  | ✅ | ✅ | ✅ | ✅ |

### 3-1【Text to Video】Create Task

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/text2video |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Body

Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.

* At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default** | **Description** |
| model\_name | string | Optional | kling-v1 | Model Name   * Enum values：kling-v1, kling-v1-6 |
| prompt | string | Required | None | Positive text prompt   * Cannot exceed 2500 characters |
| negative\_prompt | string | Optional | Null | Negative text prompt   * Cannot exceed 2500 characters |
| cfg\_scale | float | Optional | 0.5 | Flexibility in video generation; The higher the value, the lower the model's degree of flexibility, and the stronger the relevance to the user's prompt.   * Value range: [0, 1] |
| mode | string | Optional | std | Video generation mode   * Enum values: std, pro * std: Standard Mode, which is cost-effective * pro: Professional Mode, generates videos use longer duration but higher quality video output |
| camera\_control | object | Optional | Null | Terms of controlling camera movement ( If not specified, the model will intelligently match based on the input text/images)  The support range for different model versions and video modes varies. For more details, please refer to the current document's "3-0 Capability Map" |
| camera\_control   * type | string | Optional | None | Predefined camera movements type   * Enum values: "simple", "down\_back", "forward\_up", "right\_turn\_forward", "left\_turn\_forward" * simple: Camera movement，Under this Type, you can choose one out of six options for camera movement in the "config". * down\_back: Camera descends and moves backward ➡️ Pan down and zoom out, Under this Type, the config parameter must be set to "None". * forward\_up: Camera moves forward and tilts up ➡️ Zoom in and pan up, the config parameter must be set to "None". * right\_turn\_forward: Rotate right and move forward ➡️ Rotate right and advance, the config parameter must be set to "None". * left\_turn\_forward: Rotate left and move forward ➡️ Rotate left and advance, the config parameter must be set to "None". |
| camera\_control   * config | object | Optional | None | Contains 6 Fields, used to specify the camera's movement or change in different directions   * When the camera movement Type is set to simple, the Required Field must be filled out; when other Types are specified, it should be left blank. * Choose one out of the following six parameters, meaning only one parameter should be non-zero, while the rest should be zero. |
| config   * horizontal | float | Optional | None | Horizontal, controls the camera's movement along the horizontal axis (translation along the x-axis).   * Value range：[-10, 10], a negative Value indicates a translation to the left, while a positive Value indicates a translation to the right. |
| config   * vertical | float | Optional | None | Vertical, controls the camera's movement along the vertical axis (translation along the y-axis).   * Value range：[-10, 10], a negative Value indicates a downward translation, while a positive Value indicates an upward translation. |
| config   * pan | float | Optional | None | Tilt, controls the camera's rotation in the horizontal plane (rotation around the y-axis).   * Value range：[-10, 10]，a negative Value indicates a rotation to the left around the y-axis, while a positive Value indicates a rotation to the right around the y-axis. |
| config   * tilt | float | Optional | None | Pan, controls the camera's rotation in the vertical plane (rotation around the x-axis).   * Value range：[-10, 10]，a negative Value indicates a downward rotation around the x-axis, while a positive Value indicates an upward rotation around the x-axis. |
| config   * roll | float | Optional | None | Roll, controls the camera's rolling amount (rotation around the z-axis).   * Value range：[-10, 10]，a negative Value indicates a counterclockwise rotation around the z-axis, while a positive Value indicates a clockwise rotation around the z-axis. |
| config   * zoom | float | Optional | None | Zoom, controls the change in the camera's focal length, affecting the proximity of the field of view.   * Value range：[-10, 10], A negative Value indicates an increase in focal length, resulting in a narrower field of view, while a positive Value indicates a decrease in focal length, resulting in a wider field of view. |
| aspect\_ratio | string | Optional | 16:9 | The aspect ratio of the generated video frame (width:height)   * Enum values：16:9, 9:16, 1:1 |
| duration | string | Optional | 5 | Video Length, unit: s (seconds)   * Enum values: 5，10 |
| callback\_url | string | Optional | None | The callback notification address for the result of this task. If configured, the server will actively notify when the task status changes   * The specific message schema of the notification can be found in "Callback Protocol" |
| external\_task\_id | string | Optional | None | Customized Task ID   * Users can provide a customized task ID, which will not overwrite the system-generated task ID but can be used for task queries. * Please note that the customized task ID must be unique within a single user account. |

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in "Error Code"  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms  }  } |

### 3-2【Text to Video】Query Task（Single）

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/text2video/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| task\_id | string | Optional | None | Task ID for Text to Video   * Request Path Parameters，directly fill the Value in the request path * When creating a task, you can choose to query by external\_task\_id or task\_id. |
| external\_task\_id | string | Optional | None | Customized Task ID for Text-to-Video   * Request Path Parameters，directly fill the Value in the request path * When creating a task, you can choose to query by external\_task\_id or task\_id. |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in "Error Code"  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by thTask ID, generated by the system is used to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit: ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit: ms  "task\_result":{  "videos":[  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos，such as https://p1.a.kwimgs.com/bs2/upload-ylab-stunt/special-effect/output/HB1\_PROD\_ai\_web\_46554461/-2878350957757294165/output.mp4(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  }  } |

#### 

### 3-3【Text to Video】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/text2video |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

/v1/videos/text2video?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| pageNum | int | Optional | 1 | Page number   * Value range：[1,1000] |
| pageSize | int | Optional | 30 | Data volume per page   * Value range：[1,500] |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system,Task ID, generated by the systemgenerated by the systemto track requests and troubleshoot problems  "data":[  {  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit: ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit: ms  "task\_result":{  "videos":[  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos，such as https://p1.a.kwimgs.com/bs2/upload-ylab-stunt/special-effect/output/HB1\_PROD\_ai\_web\_46554461/-2878350957757294165/output.mp4(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  }  ]  } |

#### 

### 3-4【Image to Video】Create Task

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/image2video |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Body

Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.

* At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model).

|  |
| --- |
| curl --location --request POST 'https://api.klingai.com/v1/videos/image2video' \  --header 'Authorization: Bearer xxx' \  --header 'Content-Type: application/json' \  --data-raw '{  "model\_name": "kling-v1",  "mode": "pro",  "duration": "5",  "image": "https://h2.inkwai.com/bs2/upload-ylab-stunt/se/ai\_portal\_queue\_mmu\_image\_upscale\_aiweb/3214b798-e1b4-4b00-b7af-72b5b0417420\_raw\_image\_0.jpg",  "prompt": "The astronaut stood up and walked away",  "cfg\_scale": 0.5,  "static\_mask": "https://h2.inkwai.com/bs2/upload-ylab-stunt/ai\_portal/1732888177/cOLNrShrSO/static\_mask.png",  "dynamic\_masks": [  {  "mask": "https://h2.inkwai.com/bs2/upload-ylab-stunt/ai\_portal/1732888130/WU8spl23dA/dynamic\_mask\_1.png",  "trajectories": [  {"x":279,"y":219},{"x":417,"y":65}  ]  }  ]  }' |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| model\_name | string | Optional | kling-v1 | Model Name   * Enum values：kling-v1, kling-v1-5, kling-v1-6 |
| image | string | Optional | Null | Reference Image   * Support inputting image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:   |  | | --- | | iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg== |     **Incorrect** Base64 encoded parameter (includes the data: prefix):   |  | | --- | |  |     Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the image resolution should not be less than 300\*300px, and the aspect ratio of the image should be between 1:2.5 ~ 2.5:1 * Mutually exclusive with the image\_tail parameter; cannot both be empty at the same time * image+image\_tail, dynamic\_masks/static\_mask, and camera\_control. These three parameters cannot be used at the same time   The support range for different model versions and video modes varies. For more details, please refer to the current document's "3-0 Capability Map" |
| image\_tail | string | Optional | Null | Reference Image - End frame control   * Support inputting image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:   |  | | --- | | iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg== |     **Incorrect** Base64 encoded parameter (includes the data: prefix):   |  | | --- | |  |     Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the image resolution should not be less than 300\*300px * Mutually exclusive with the image parameter; cannot both be empty at the same time * image+image\_tail, dynamic\_masks/static\_mask, and camera\_control. These three parameters cannot be used at the same time   The support range for different model versions and video modes varies. For more details, please refer to the current document's "3-0 Capability Map" |
| prompt | string | Optional | None | Positive text prompt   * Cannot exceed 2500 characters |
| negative\_prompt | string | Optional | Null | Negative text prompt   * Cannot exceed 2500 characters |
| cfg\_scale | float | Optional | 0.5 | Flexibility in video generation; The higher the value, the lower the model's degree of flexibility, and the stronger the relevance to the user's prompt.   * Value range: [0, 1] |
| mode | string | Optional | std | Video generation mode   * Enum values: std, pro * std: Standard Mode, which is cost-effective * pro: Professional Mode, generates videos use longer duration but higher quality video output   The support range for different model versions and video modes varies. For more details, please refer to the current document's "3-0 Capability Map" |
| static\_mask | string | optional | null | Static Brush Application Area (Mask image created by users using the motion brush)  The "Motion Brush" feature includes two types of brushes: Dynamic Brush (dynamic\_masks) and Static Brush (static\_mask).   * Support inputting image Base64 encoding or image URL (ensure the URL is accessible and follows the same format requirements as the image field). * Supported image formats include.jpg / .jpeg / .png * The aspect ratio of the mask image must match the input image (image field); otherwise, the task will fail (failed). * The resolutions of the static\_mask image and the dynamic\_masks**.**mask image must be identical; otherwise, the task will fail (failed).   The support range for different model versions and video modes varies. For more details, please refer to the current document's "3-0 Capability Map"  Please refer to the code block above for a specific example |
| dynamic\_masks | array | optional | null | Dynamic Brush Configuration List  Multiple configurations can be set up (up to 6 groups). Each group includes a "mask area" (mask) and a sequence of "motion trajectories" (trajectories).  Until 20241129: The Dynamic Brush feature only supports the kling-v1 model in Standard Mode (std 5s) and Professional Mode (pro 5s).  Please refer to the code block above for a specific example. |
| dynamic\_masks   * mask | string | optional | null | Dynamic Brush Application Area (Mask image created by users using the motion brush)   * Support inputting image Base64 encoding or image URL (ensure the URL is accessible and follows the same format requirements as the image field). * Supported image formats include.jpg / .jpeg / .png * The aspect ratio of the mask image must match the input image (image field); otherwise, the task will fail (failed). * The resolutions of the static\_mask image and the dynamic\_masks**.**mask image must be identical; otherwise, the task will fail (failed). |
| dynamic\_masks   * trajectories | array | optional | null | Motion Trajectory Coordinate Sequence   * To generate a 5-second video, the trajectory length must not exceed 77 coordinates, with the number of coordinates ranging from [2, 77]. * The coordinate system is based on the bottom-left corner of the image as the origin point.   Note-1: The more coordinates provided, the more precise the trajectory will be. For example, if only two trajectory points are provided, the motion will form a straight line connecting these two points.  Note-2: The trajectory direction follows the input order. The first coordinate serves as the starting point, and subsequent coordinates are connected sequentially to form the motion trajectory. |
| dynamic\_masks   * trajectories   + x | int | optional | null | The horizontal coordinate (X-coordinate) of each trajectory point is defined within a 2D pixel coordinate system, where the bottom-left corner of the input image (image) serves as the origin point (0, 0). |
| dynamic\_masks   * trajectories   + y | int | optional | null | The vertical coordinate (Y-coordinate) of each trajectory point is defined within a 2D pixel coordinate system, where the bottom-left corner of the input image (image) serves as the origin point (0, 0). |
| camera\_control | object | Optional | Null | Terms of controlling camera movement ( If not specified, the model will intelligently match based on the input text/images)  The support range for different model versions and video modes varies. For more details, please refer to the current document's "3-0 Capability Map" |
| camera\_control   * type | string | Optional | None | Predefined camera movements type   * Enum values: "simple", "down\_back", "forward\_up", "right\_turn\_forward", "left\_turn\_forward" * simple: Camera movement，Under this Type, you can choose one out of six options for camera movement in the "config". * down\_back: Camera descends and moves backward ➡️ Pan down and zoom out, Under this Type, the config parameter must be set to "None". * forward\_up: Camera moves forward and tilts up ➡️ Zoom in and pan up, the config parameter must be set to "None". * right\_turn\_forward: Rotate right and move forward ➡️ Rotate right and advance, the config parameter must be set to "None". * left\_turn\_forward: Rotate left and move forward ➡️ Rotate left and advance, the config parameter must be set to "None". |
| camera\_control   * config | object | Optional | None | Contains 6 Fields, used to specify the camera's movement or change in different directions   * When the camera movement Type is set to simple, the Required Field must be filled out; when other Types are specified, it should be left blank. * Choose one out of the following six parameters, meaning only one parameter should be non-zero, while the rest should be zero. |
| config   * horizontal | float | Optional | None | Horizontal, controls the camera's movement along the horizontal axis (translation along the x-axis).   * Value range：[-10, 10], a negative Value indicates a translation to the left, while a positive Value indicates a translation to the right. |
| config   * vertical | float | Optional | None | Vertical, controls the camera's movement along the vertical axis (translation along the y-axis).   * Value range：[-10, 10], a negative Value indicates a downward translation, while a positive Value indicates an upward translation. |
| config   * pan | float | Optional | None | Tilt, controls the camera's rotation in the horizontal plane (rotation around the y-axis).   * Value range：[-10, 10]，a negative Value indicates a rotation to the left around the y-axis, while a positive Value indicates a rotation to the right around the y-axis. |
| config   * tilt | float | Optional | None | Pan, controls the camera's rotation in the vertical plane (rotation around the x-axis).   * Value range：[-10, 10]，a negative Value indicates a downward rotation around the x-axis, while a positive Value indicates an upward rotation around the x-axis. |
| config   * roll | float | Optional | None | Roll, controls the camera's rolling amount (rotation around the z-axis).   * Value range：[-10, 10]，a negative Value indicates a counterclockwise rotation around the z-axis, while a positive Value indicates a clockwise rotation around the z-axis. |
| config   * zoom | float | Optional | None | Zoom, controls the change in the camera's focal length, affecting the proximity of the field of view.   * Value range：[-10, 10], A negative Value indicates an increase in focal length, resulting in a narrower field of view, while a positive Value indicates a decrease in focal length, resulting in a wider field of view. |
| duration | string | optional | 5 | Video Length, unit: s (seconds)   * Enum values：5，10   Please note, requests that include the end frame (image\_tail) and motion brush (dynamic\_masks & static\_mask) currently only support the generation of videos up to 5 seconds long. |
| callback\_url | string | Optional | None | The callback notification address for the result of this task. If configured, the server will actively notify when the task status changes   * The specific message schema of the notification can be found in "Callback Protocol" |
| external\_task\_id | string | Optional | None | Customized Task ID   * Users can provide a customized task ID, which will not overwrite the system-generated task ID but can be used for task queries. * Please note that the customized task ID must be unique within a single user account. |

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in "Error Code"  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms  }  } |

### 3-5【Image to Video】Query Task（Single）

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/image2video/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| task\_id | string | Optional | None | Task ID for Image to Video   * Request Path Parameters，directly fill the Value in the request path * When creating a task, you can choose to query by external\_task\_id or task\_id. |
| external\_task\_id | string | Optional | None | Customized Task ID for Image-to-Video   * Request Path Parameters，directly fill the Value in the request path * When creating a task, you can choose to query by external\_task\_id or task\_id. |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in "Error Code"  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by thTask ID, generated by the system is used to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit: ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit: ms  "task\_result":{  "videos":[  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos，such as https://p1.a.kwimgs.com/bs2/upload-ylab-stunt/special-effect/output/HB1\_PROD\_ai\_web\_46554461/-2878350957757294165/output.mp4(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  }  } |

#### 

### 3-6【Image to Video】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/image2video |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

/v1/videos/image2video?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| pageNum | int | Optional | 1 | Page number   * Value range：[1,1000] |
| pageSize | int | Optional | 30 | Data volume per page   * Value range：[1,500] |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system,Task ID, generated by the systemgenerated by the systemto track requests and troubleshoot problems  "data":[  {  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit: ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit: ms  "task\_result":{  "videos":[  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos，such as https://p1.a.kwimgs.com/bs2/upload-ylab-stunt/special-effect/output/HB1\_PROD\_ai\_web\_46554461/-2878350957757294165/output.mp4(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  }  ]  } |

#### 

### 3-7 【Video Extension】Create Task

**Note 1:** Video extension refers to extending the duration of text-to-video/image-to-video results. Each extension can add 4 to 5 seconds, and the model and mode used cannot be selected; they must be the same as the source video.

**Note 2:** Video extension is currently not supported for videos generated by the V1.5 model.

**Note 3:** Videos that have been extended can be extended again, but the total video duration cannot exceed 3 minutes.

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | https://api.klingai.com/v1/videos/video-extend |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Body

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default** | **Description** |
| video\_id | string | Required | None | Video ID   * Supports video IDs generated by the text-to-video interface (only supports V1.0 model, not V1.5 model). * Supports video IDs generated by the image-to-video interface (only supports V1.0 model, not V1.5 model). * Supports video IDs generated by the video extension interface (note that it cannot exceed 3 minutes).   Please note that based on the current cleanup policy, videos will be cleared 30 days after generation, and extension will not be possible. |
| prompt | string | Optional | None | Text Prompt   * Cannot exceed 2500 characters. |
| callback\_url | string | Optional | None | The callback notification address for the task results, if configured, will allow the server to proactively notify when the task status changes.   * For specific notification message schema, please refer to the "Callback Protocol." |

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes; Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system,to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms  }  } |

### 3-8 【Video Extension】Query Task (Single)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | https://api.klingai.com/v1/videos/video-extend/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| task\_id | string | Required | None | Task ID for video extension   * Request Path Parameters，directly fill the Value in the request path |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error codes；Specific definitions can be found in Error codes  "request\_id": "string", //Request ID, generated by the system,to track requests and troubleshoot problems；globally unique  "data":{  "task\_id": "string", //Task ID, generated by the system；globally unique  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Parameters information when the task is created  "parent\_video": {  "id": "string", //Video ID before the extension；globally unique  "url": "string", //URL for generating images(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total duration of the video before continuation, in s  },  }, //Detailed information provided by the user during task creation.  "task\_result":{  "videos":[ //The arrays are there to preserve extensibility in case they are to be supported in the future n  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating images  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms  }  } |

### 3-9 【Video Extension】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | https://api.klingai.com/v1/videos/video-extend |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

https://api.klingai.com/v1/videos/video-extend?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| pageNum | int | Optional | 1 | Page Number   * Value range: [1, 1000] |
| pageSize | int | Optional | 30 | Data Quantity per Page   * Value range: [1, 500] |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；See 1.1 Error Codes for specific definitions  "message": "string", //Error information；See 1.1 Error Codes for specific definitions  "request\_id": "string", //Request ID, generated by the system,to track requests and troubleshoot problems  "data":[  {  "task\_id": "string", //Task ID, generated by the system；globally unique  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "parent\_video": {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating images(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total duration of the video before continuation, in s  },  }, //Detailed information provided by the user during task creation.  "task\_result":{  "videos":[ //The arrays are there to preserve extensibility in case they are to be supported in the future n  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating images(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  "created\_at": 1722769557708, //Task creation time, Unix timestamp, in ms  "updated\_at": 1722769557708, //Task creation time, Unix timestamp, in ms  }  ]  } |

### 3-10 【Lip-Sync】Create Task

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/lip-sync |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Body

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default** | **Description** |
| input | object | Required | None | Contains many fields used to specify video, lip-sync content, etc. |
| input   * video\_id | string | Required | None | The ID of the video generated by the Kling AI.   * Used to specify the video and determine whether the video can be used for lip-sync services. * Only supports 5-second and 10-second videos generated within the last 30 days; videos longer than 10 seconds are not supported for lip-sync. |
| input   * mode | string | Required | None | Video Generation Mode   * Enumeration values: text2video，audio2video   + text2video: Text-to-video generation mode; in this mode, the input·text, input·voice\_id and input·voice\_language parameters are required, Audio-to-video generation mode is invalid.   + audio2video: Audio-to-video generation mode; in this mode, the input·audio\_type parameter is required, Text-to-video generation mode is invalid. |
| input   * text | string | Optional | None | Text Content for Lip-Sync Video Generation   * When the input·mode parameter value is set to be text2video, this parameter is required. * The maximum length of the text content is 120 characters; content that is too long will return an error code and other information. * The system will validate the text content; if there are issues, it will return an error code and other information. |
| input   * voice\_id | string | Optional | None | Voice ID  ● When the input·mode parameter is set to be text2video, this parameter is required.  ● The system offers a variety of voice options to choose from. [Click here to view](https://docs.qingque.cn/s/home/eZQDvafJ4vXQkP8T9ZPvmye8S?identityId=2Cn18n4EIHT) the specific voice effects, voice IDs, and the corresponding voice languages. Voice previews do not support custom scripts.  ● Voice preview file naming convention: Voice Name#Voice ID#Voice Language |
| input   * voice\_language | string | Optional | zh | The voice language corresponds to the Voice ID, as detailed above.  ● Enum values: zh，en  ● When the input·mode parameter is set to be text2video, this parameter is required.  ● The voice language corresponds to the Voice ID, as detailed above. |
| input   * voice\_speed | float | Optional | 1.0 | Speech Rate   * Valid range:0.8~2.0, accurate to one decimal place; values outside this range will be automatically rounded. * When the input·mode parameter value is set to be text2video, this parameter must be mandatory. |
| input   * audio\_type | string | Optional | None | Method of Transmitting Audio Files for Lip-Sync Video Generation by Audio File   * Enum values: file，url   + file: Upload file mode; in this case, the input·audio\_file parameter is mandatory.   + url: Provide download link mode; in this case, the input·audio\_url parameter is mandatory. * When the input·mode parameter value is set to be audio2video, this parameter must be mandatory. |
| input   * audio\_file | string | Optional | None | Local Path of Audio File   * When the input·audio\_type parameter value is set to be file, this parameter must be mandatory. * Supported audio file formats: .mp3/.wav/.m4a/.aac, with a maximum file size of 5MB. Base64 code. Mismatched formats or oversized files will return error codes and other information. * The system will validate the audio content; if there are issues, it will return error codes and other information. |
| input   * audio\_url | string | Optional | None | Audio File Download URL   * When the input·audio\_type parameter value is set to be url, this parameter must be mandatory. * Supported audio file formats: .mp3/.wav/.m4a/.aac, with a maximum file size of 5MB. Mismatched formats or oversized files will return error codes and other information. * The system will validate the audio content; if there are issues, it will return error codes and other information. |
| callback\_url | string | Optional | None | The callback notification address for the results of this task. If configured, the server will proactively notify you when the task status changes.   * The specific message schema for notifications can be found in the "Callback Protocol." |

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms  }  } |

### 3-11 【Lip-Sync】Query Task (Single)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/lip-sync/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| task\_id | string | Required | None | Task ID for lip-sync  ● Request path parameters: directly fill in the value in the request path |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in 1.1 Error codes  "message": "string", //Error information；Specific definitions can be found in 1.1 Error codes  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems；Globally unique  "data":[  {  "task\_id": "string", //Task ID, generated by the system；Globally unique  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "parent\_video": {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos (To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  }, //Detailed information provided by the user during task creation  "task\_result":{  "videos":[ //The arrays are there to preserve extensibility in case they are to be supported in the future n  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating lip-sync videos (To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total lip-sync video duration, unit: s (seconds)  }  ]  }  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms  }  ]  } |

### 3-12 【Lip-Sync】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/lip-sync |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

/v1/videos/lip-sync?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| pageNum | int | Optional | 1 | Page number   * Value range：[1,1000] |
| pageSize | int | Optional | 30 | Data volume per page   * Value range：[1,500] |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in 1.1 Error codes  "message": "string", //Error information；Specific definitions can be found in 1.1 Error codes  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems；Globally unique  "data":[  {  "task\_id": "string", //Task ID, generated by the system；Globally unique  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "parent\_video": {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos (To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  }, //Detailed information provided by the user during task creation  "task\_result":{  "videos":[ //The arrays are there to preserve extensibility in case they are to be supported in the future n  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating lip-sync videos (To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total lip-sync video duration, unit: s (seconds)  }  ]  }  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms  }  ]  } |

### 3-13【Video Effects】Create Task

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/effects |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### General Request Body

You can achieve different special effects based on the effect\_scene. Currently supported are:

* Single Image Effects: 2 types available, squish, expansion
* Dual-character Effects: 3 types available, hug, kiss, heart\_gesture

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| effect\_scene | string | Required | None | Scene Name   * Enum Values：squish, expansion, hug, kiss, heart\_gesture |
| input | object | Required | None | Supports different task input structures.   * Depending on the scene, the fields passed in the structure vary, as detailed in the "Scene Request Body". |
| callback\_url | string | Optional | None | The callback notification address for the result of this task. If configured, the server will actively notify when the task status changes   * The specific message schema of the notification can be found in "Callback Protocol" |
| external\_task\_id | string | Optional | None | Customized Task ID   * Users can provide a customized task ID, which will not overwrite the system-generated task ID but can be used for task queries. * Please note that the customized task ID must be unique within a single user account. |

#### Scene Request Body

Single Image Effect: 2 types available, squish, expansion

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| model\_name | string | Required | Null | Model Name   * Enum Values：kling-v1-6 |
| image | string | Required | Null | Reference Image   * Support inputting image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:   |  | | --- | | iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg== |     **Incorrect** Base64 encoded parameter (includes the data: prefix):   |  | | --- | |  |     Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the image resolution should not be less than 300\*300px, and the aspect ratio of the image should be between 1:2.5 ~ 2.5:1 |
| duration | string | Required | Null | Video Length, unit: s (seconds)   * Enum values：5 |

Dual-character Effects: 3 types available, hug, kiss, heart\_gesture

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| model\_name | string | Optional | kling-v1 | Model Name   * Enum Values：kling-v1, kling-v1-5, kling-v1-6 |
| mode | string | Optional | std | Video generation mode   * Enum values: std, pro * std: Standard Mode, which is cost-effective * pro: Professional Mode, generates videos use longer duration but higher quality video output |
| images | Array[string] | Required | Null | Reference Image Group   * The length of the array must be 2. The first image uploaded will be positioned on the left side of the composite photo, and the second image uploaded will be positioned on the right side of the composite photo.   This service includes a photo compositing feature, where users upload two portrait images, and Ke Ling AI will adaptively stitch them into a composite photo. As shown in the illustration, the images are uploaded in sequence.  "https://p2-kling.klingai.com/bs2/upload-ylab-stunt/c54e463c95816d959602f1f2541c62b2.png?x-kcdn-pid=112452",  "https://p2-kling.klingai.com/bs2/upload-ylab-stunt/5eef15e03a70e1fa80732808a2f50f3f.png?x-kcdn-pid=112452"  The resulting effect of the composite photo is as follows:     * Support inputting image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:   |  | | --- | | iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg== |     **Incorrect** Base64 encoded parameter (includes the data: prefix):   |  | | --- | |  |     Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the image resolution should not be less than 300\*300px   The support range for different model versions and video modes varies. For more details, please refer to the current document's "3-0 Capability Map" |
| duration | string | Required | Null | Video Length, unit: s (seconds)   * Enum values：5，10 |

#### Request Example

|  |
| --- |
| {  "effect\_scene": "hug",  "input":{  "model\_name": "kling-v1-6",  "mode": "std",  "images":[  "https://p2-kling.klingai.com/bs2/upload-ylab-stunt/c54e463c95816d959602f1f2541c62b2.png?x-kcdn-pid=112452",  "https://p2-kling.klingai.com/bs2/upload-ylab-stunt/5eef15e03a70e1fa80732808a2f50f3f.png?x-kcdn-pid=112452"  ],  "duration": "5"  }  } |

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in "Error Code"  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms  }  } |

### 3-14【Video Effects】Query Task（Single）

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/effects/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| task\_id | string | Optional | None | Task ID for Video Effects   * Request Path Parameters，directly fill the Value in the request path * When creating a task, you can choose to query by external\_task\_id or task\_id. |
| external\_task\_id | string | Optional | None | Customized Task ID for Video Effects   * Request Path Parameters，directly fill the Value in the request path * When creating a task, you can choose to query by external\_task\_id or task\_id. |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in "Error Code"  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by thTask ID, generated by the system is used to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit: ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit: ms  "task\_result":{  "videos":[  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos，such as https://p1.a.kwimgs.com/bs2/upload-ylab-stunt/special-effect/output/HB1\_PROD\_ai\_web\_46554461/-2878350957757294165/output.mp4(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  }  } |

#### 

### 3-15【Video Effects】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/videos/effects |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

/v1/videos/image2video?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| pageNum | int | Optional | 1 | Page number   * Value range：[1,1000] |
| pageSize | int | Optional | 30 | Data volume per page   * Value range：[1,500] |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system,Task ID, generated by the systemgenerated by the systemto track requests and troubleshoot problems  "data":[  {  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "task\_info":{ //Task creation parameters  "external\_task\_id": "string" //Customer-defined task ID  },  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit: ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit: ms  "task\_result":{  "videos":[  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos，such as https://p1.a.kwimgs.com/bs2/upload-ylab-stunt/special-effect/output/HB1\_PROD\_ai\_web\_46554461/-2878350957757294165/output.mp4(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  }  ]  } |

#### 

# IV. Virtual Try-on

### 4-1【Virtual Try-On】Create Task

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/kolors-virtual-try-on |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Body

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| model\_name | string | Optional | kolors-virtual-try-on-v1 | * Model Name * Enum values：kolors-virtual-try-on-v1, kolors-virtual-try-on-v1-5 |
| human\_image | string | Required | None | Reference human Image   * Support uploading image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:   |  | | --- | | iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg== |     **Incorrect** Base64 encoded parameter (includes the data: prefix):   |  | | --- | |  |     Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the image resolution should not be less than 300\*300px |
| cloth\_image | string | Optional | None | Reference clothing image   * Support uploading clothing product images or clothing image with white background; Supports single clothing (upper, lower, and dress) try-on. * Support uploading image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:   |  | | --- | | iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg== |     **Incorrect** Base64 encoded parameter (includes the data: prefix):   |  | | --- | |  |     Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the image resolution should not be less than 300\*300px * Kolors-virtual-try-on-v1-5 model not only supports single clothing input but also the "upper + lower" combination input, which means:   + Input a single clothing image (upper, lower, or dress) -> Generate a try-on image of the single item   + Input a combination clothing image (you can merge multiple items into one image with a white background)     - If the model detects "upper + lower" -> Generate a try-on image of "upper + lower"     - If the model detects "upper + upper" -> Generation fails     - If the model detects "lower + lower" -> Generation fails     - If the model detects "dress + dress" -> Generation fails     - If the model detects "upper + dress" -> Generation fails     - If the model detects "lower + dress" -> Generation fails     - Example of combination clothing images: |
| callback\_url | string | Optional | None | The callback notification address for the result of this task. If configured, the server will actively notify when the task status changes   * The specific message schema of the notification can be found in "Callback Protocol" |

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes;Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Task ID, generated by the system, used for tracking requests and debug issues  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms  }  } |

#### 

### 4-2【Virtual Try-on】Query Task（Single）

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1images/kolors-virtual-try-on/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| task\_id | string | Required | None | Task ID for image generation   * Request Path Parameters，directly fill the Value in the request path |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems  "data":{  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms  "task\_result":{  "images":[  {  "index": int, //Image Number  "url": "string" //URL for generating images, such as：https://h1.inkwai.com/bs2/upload-ylab-stunt/1fa0ac67d8ce6cd55b50d68b967b3a59.png(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  }  ]  }  }  } |

#### 

### 4-3【Virtual Try-on】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/kolors-virtual-try-on |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

/v1/images/kolors-virtual-try-on?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| pageNum | int | Optional | 1 | Page number   * Value range：[1,1000] |
| pageSize | int | Optional | 30 | Data volume per page   * Value range：[1,500] |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems  "data":[  {  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "updated\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms  "task\_result":{  "images":[  {  "index": int, //Image Number  "url": "string" //URL for generating images，such as: https://h1.inkwai.com/bs2/upload-ylab-stunt/1fa0ac67d8ce6cd55b50d68b967b3a59.png(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  }  ]  }  }  ]  } |

#### 

# V. Callback Protocol

As for the Async task（image generation / video generation / virtual try-on），if you actively set the callback\_url when you Create Task, the server will actively notify you when the task status changes, and the protocol is as follows:

|  |
| --- |
| {  "task\_id": "string", //Task ID, generated by the system  "task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed  "task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)  "created\_at": 1722769557708, //Task creation time，UniTask creation time,Task update time, Unix timestamp, unit msask update time, Unix timestamp, unit msask update time, Unix timestamp, unit msask update time, Unix timestamp, unit msask update time, Unix timestamp, unit msUnix timestamp, unit msd\_at": 1722769557708, //Task update time, Unix timestamp, unit ms  "task\_info":{ //Task creation parameters  "parent\_video": {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating images(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total duration of the video before continuation, in s  },  "external\_task\_id": "string" //Customer-defined task ID  }, //Detailed information provided by the user during task creation.  "task\_result":{  "images":[ //The result of image-related tasks  {  "index": int, //Image Number  "url": "string" // URL for generating images，such as：https://h1.inkwai.com/bs2/upload-ylab-stunt/1fa0ac67d8ce6cd55b50d68b967b3a59.png(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  }  ],  "videos":[ //The result of video-related tasks  {  "id": "string", //Generated video ID; globally unique  "url": "string", //URL for generating videos(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)  "duration": "string" //Total video duration, unit: s (seconds)  }  ]  }  } |

# VI. Account Information Inquiry

### 6-1 Query Resource Package List and Remaining Quantity under the Account

Note: This interface can be called for free to help you check the resource package list and remaining Quantity under your account. However, please control the request rate (QPS <= 1).

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /account/costs |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| start\_time | int | Yes | None | Start time for the query, Unix timestamp in ms |
| end\_time | int | Yes | None | End time for the query, Unix timestamp in ms |
| resource\_pack\_name | string | No | None | Resource package name for precise querying of a specific package |

#### Request Body

None

#### Response Body

|  |
| --- |
| {  "code": 0, //Error codes；Specific definitions can be found in Error codes  "message": "string", //Error information  "request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems  "data":{  "code": 0, //Error codes；Specific definitions can be found in Error codes  "msg": "string", //Error information  "resource\_pack\_subscribe\_infos": [ //Resource package list  {  "resource\_pack\_name": "Video Generation - 10,000 entries", //Resource package name  "resource\_pack\_id": "509f3fd3d4ab4a3f9eec5db27aa44f27", //Resource package ID  "resource\_pack\_type": "decreasing\_total", //Resource package name，Enum values，"decreasing\_toal" = decreasing total，"constant\_period" = constant periodicity  "total\_quantity": 200.0, //Total quantity  "remaining\_quantity": 118.0, //Remaining quantity (please note that the remaining quantity is updated with a 12-hour delay)  "purchase\_time": 1726124664368, //Purchase time, Unix timestamp in ms  "effective\_time": 1726124664368, //Effective time, Unix timestamp in ms  "invalid\_time": 1727366400000, //Expiration time，Unix timestamp in ms  "status": "expired" //Resource Package Status，Enum values，"toBeOnline" = Pending effectiveness，"online" = In effect，"expired" = Expired，"runOut" = Used up  }  ]  }  } |

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