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Video length, resolution and format: the duration, resolution and ratio fields

AI Video & Voice

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Video length, resolution and format: the duration, resolution and ratio fields

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In short: in a video request, `duration` is the length in seconds, `resolution` the resolution (for example `720p`) and `ratio` the shape of the picture (for example `16:9`). They are the fields of the example in our documentation, but each model has its own and accepts its own values. The length counts directly in the price, because videos are paid per second.

The three fields

Field	What it is	In the example
`duration`	The length of the video, in seconds.	`5`
`resolution`	The resolution of the video.	`720p`
`ratio`	The ratio between the width and the height of the picture.	`16:9`

Seeing the values the model accepts

`GET /v1/models/{id}` brings, in `input`, each field of the model with the accepted values (`options`), the default (`default`) and the limits (`min` and `max`). It spends no credits:

```
curl "https://api.interweb.ao/v1/models/bytedance/seedance-2.0-mini/text-to-video" \
  -H "Authorization: Bearer $INTERWEB_API_KEY"
```

In the terminal, `aio model <id>` shows the same. In an agent with the MCP server, the `get_model` tool shows them to the agent. On the Video tab of the **Playground**, the fields appear when you pick the model.

The request

The fields go inside `input`, in `POST /v1/media/generations`. A 5-second video in 720p:

```
{
  "model": "bytedance/seedance-2.0-mini/text-to-video",
  "input": {
    "prompt": "A drone shot over a coastal city at sunset",
    "duration": 5,
    "resolution": "720p",
    "ratio": "16:9"
  }
}
```

A value the model does not accept gives `422 validation_failed`, and `details` says which field. The rest of the request, from the status to the file, is in **creating a video with AI**.

How much the length weighs on the price

The price of a video model is in credits per second. Multiply it by the length: in the example in our documentation, `bytedance/seedance-2.0-mini/text-to-video` shows 18 credits per second, so 5 seconds would be 90 credits. Example prices change: see the current price on the **Models** tab. In the Playground, the Video tab shows the expected cost, with the seconds, before you generate. That amount is held and, at the end, you pay the real cost and get the difference back.

Choosing the values

1. Start short. A video of a few seconds shows whether the prompt works and costs less.
2. Choose the ratio of the place where the video will appear: landscape for a website or a wide screen. If the model accepts portrait ratios, use them for phone screens.
3. When you like the result, make the final version with the length and resolution you need.

RECOMMENDED

Want to see the expected cost before you generate? Try it in the All in One AI Playground.

See All in One AI →

SEE ALSO

- **Creating a video with AI: from a description or from a photo, through the API** →
- **What an AI video or voice costs: credits per second, per generation and how to estimate** →

Choosing a video model: the video type in the Models tab and the price per second

The fields an image model accepts: GET /v1/models/{id} and the size option

All in One AI

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