

# Perseworks API Reference

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Frontier AI video (Seedance 2.0) and chat (Doubao) through an OpenAI-compatible API.

**Base URL:** `https://api.perseworks.hk/v1` **Auth:** send your API key as a Bearer token — `Authorization: Bearer sk-...` **Billing:** prepaid credits (1 credit = \$0.01), pay-as-you-go, no subscription.

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## Models

Model id	Type	Notes
seedance-2.0	video	720p / 1080p / 4K, text + image to video, audio
seedance-2.0-fast	video	720p, faster
seedance-2.0-mini	video	720p, lowest cost
doubao-seed-2-0-pro	chat	256K context
seed-2.1-pro	chat	strongest chat model
seed-2.0-mini	chat	fast + low cost

The live list is always available at `GET /v1/models`.

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## Generate a video (async)

Video is asynchronous: submit returns a task id, then you poll for the result.

### POST /v1/video/generations

Body parameters:

- `model` (string, required) — e.g. `seedance-2.0`
- `prompt` (string, required) — the text prompt
- `resolution` (string, required) — `720p`, `1080p`, or `4k` (1080p and 4K on Seedance 2.0 only; Fast/Mini are 720p)
- `durationSec` (integer, required) — 1 to 15
- `aspectRatio` (string, optional) — `16:9`, `4:3`, `1:1`, `3:4`, `9:16`, `21:9`, `adaptive`
- `image` (string URL, optional) — reference image for image-to-video

Response (202): `{ "id": "vid_...", "status": "queued", "model": "seedance-2.0" }`

## GET /v1/video/generations/{id}

Poll the task (owner-scoped). Responses:

- Running: { "id": "vid\_...", "status": "running" }
- Succeeded: { "status": "succeeded", "video\_url": "https://...", "duration": 5 }
- Failed: { "status": "failed", "error": { "code": "...", "message": "..." } }

Billing: pre-charged on submit at the max duration; settled to the actual output duration on success (unused reserve refunded); full refund on failure.

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## Chat completions

**POST /v1/chat/completions** — OpenAI-compatible. Point the OpenAI SDK's `base_url` at us and change nothing else. Supports `stream: true` (SSE). Billed per input/output token.

Example body: { "model": "seed-2.0-mini", "messages": [{ "role": "user", "content": "Hello" }], "stream": true }

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## List models

**GET /v1/models** — returns the catalog with pricing.

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## Pricing

- Video (per output second): 720p \$0.15 · 1080p \$0.25 · 4K \$0.60. From \$0.60 for a 4-second 720p clip.
  - Chat: billed per token (from \$0.10 / 1M input tokens).
  - Recharge tiers earn bonus credits (+5% / +10% / +15% at \$50 / \$200 / \$1000). New accounts get free trial credits. Credits never expire.
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## Error codes

- 401 `invalid_api_key` — unknown or revoked key
  - 402 `insufficient_credits` — top up your balance
  - 403 `model_not_allowed` / `ip_not_allowed` — key scope restriction
  - 400 `unsupported_resolution` — that resolution isn't offered for the model
  - 422 `content_rejected` — blocked by content moderation
  - 429 `rate_limited` — too many requests
  - 502 `upstream_error` — the upstream model is temporarily unavailable
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