

## TL;DR

Treat HunyuanVideo 1.5 as a controlled upgrade, not a drop-in replacement.

Re-run a fixed benchmark pack, compare cost-per-usable-second, then phase rollout by use case.

Keep the original v1.0 baseline alive until quality and latency targets are met.

## Context

This post is the version-specific companion to the original release overview:

[HunyuanVideo - Tencent's 13B-Parameter Open-Source AI Video \(Research Overview\)](#).

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# 1 Upgrade goal: measurable gains, not just newer weights

Before switching traffic to 1.5, define target deltas against your current v1.0 workflow:

- Prompt adherence (does output match intent without prompt overfitting?)
- Motion stability (fewer temporal artifacts across cuts and camera moves)
- Brand safety pass rate (fewer rejected generations)
- Throughput and cost (seconds per generation and usable output ratio)

If those deltas are not material in your environment, defer migration and keep v1.0 as default.

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# 2 Four checks to run before production

Check	How to test	Pass condition
<b>Creative quality</b>	Re-run your top prompt pack on both versions with fixed seeds	1.5 wins on human review score
<b>Temporal consistency</b>	Evaluate shots with fast motion, occlusion, and subject turns	Artifact rate decreases

<b>Ops reliability</b>	Batch 100+ jobs under production concurrency	Error/retry rate is stable
<b>Unit economics</b>	Compare cost per approved second of video	1.5 improves effective cost

Use the same prompts, seed policy, and review rubric on both versions so your comparison stays defensible.

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## 3 Rollout plan that avoids regressions

### 3.1 Stage the migration

- Stage 1: R&D only (no client deliverables)
- Stage 2: Low-risk internal edits and B-roll
- Stage 3: Selected client pilots with manual QA gate
- Stage 4: Broader rollout by vertical after KPI review

### 3.2 Keep a fallback path

- Preserve v1.0 inference path for rollback
- Version your prompt templates (hv10\_\*, hv15\_\*)
- Track approvals/rejections by model version in analytics

If a use case regresses, route it back to v1.0 immediately while you tune 1.5.

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## 4 Evaluation template for your team

Run this simple scorecard per use case (ads, explainers, social hooks, product shots):

- **Visual score (1-5):** detail, realism, lighting coherence
- **Motion score (1-5):** temporal smoothness, subject persistence
- **Prompt score (1-5):** semantic alignment to creative brief
- **Ops score (1-5):** generation time, retries, failure rate
- **Cost score (1-5):** approved output per dollar

Promotion rule: only move a use case to 1.5 when total weighted score beats v1.0 for two consecutive review cycles.

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## 5 What to document internally

For each migrated workflow, write down:

- Prompt deltas needed for 1.5
- Sampler/step settings that consistently pass review
- Failure patterns and recovery rules
- Final owner for monitoring and rollback decisions

This documentation prevents quality drift when teams scale usage.

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## 6 Resources

- [HunyuanVideo GitHub](#)
- [Tencent on Hugging Face](#)
- [Original HunyuanVideo release overview](#)

Need help evaluating HunyuanVideo 1.5 against your production baseline?

*Last updated 8 Feb 2026. Scope: upgrade workflow and validation checklist.*