

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 \(Research Overview\)](#).

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.

2 Four checks to run before production

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

Ops reliability	Batch 100+ jobs under production concurrency	Error/retry rate is stable
Unit economics	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.

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.

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.

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.

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.