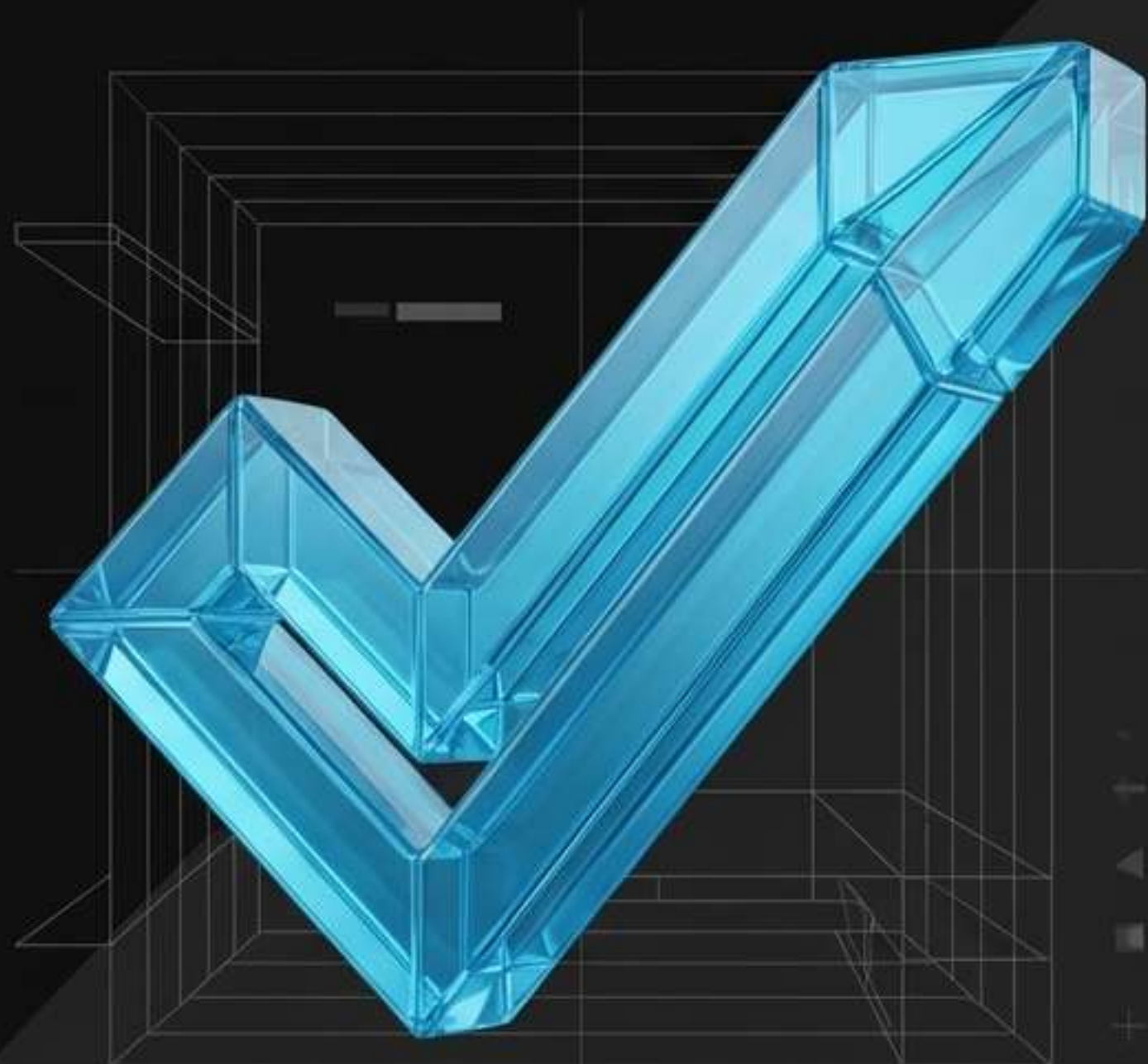


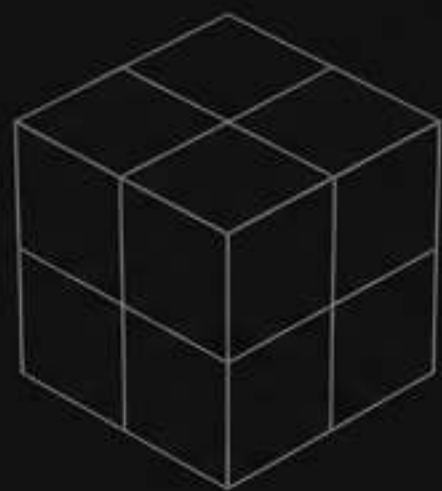
Lumatic Lab - LUT Resampler

Standardize your color workflows.
Stop the guesswork.



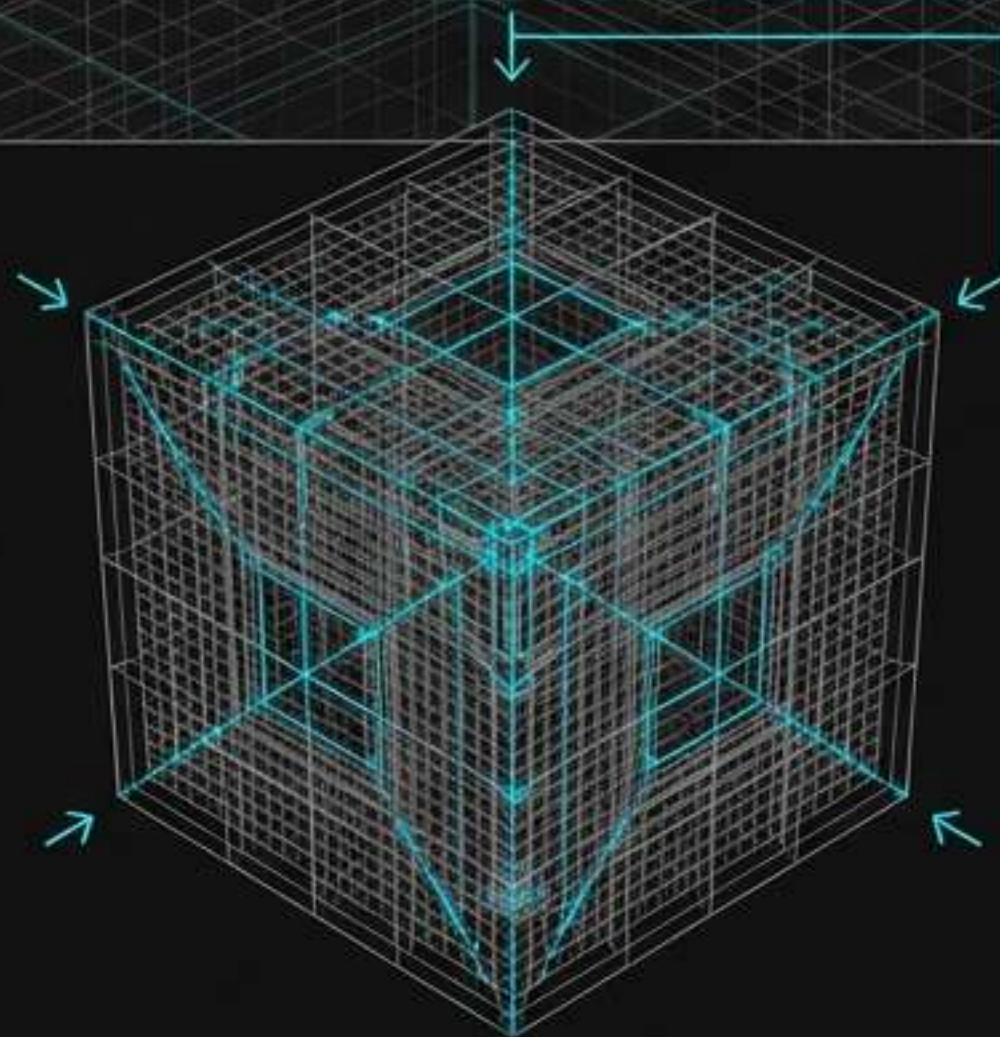
Modern LUT workflows are messy.

Different platforms output different cube sizes. Feed most editing software the wrong size, and you risk tonal gaps, extreme lag, or outright file rejection.



17³

Mobile / Low Precision



65³

Cinematic / Heavy



Slow processing



Memory strain



Software rejection

The 33^3 Master Standard

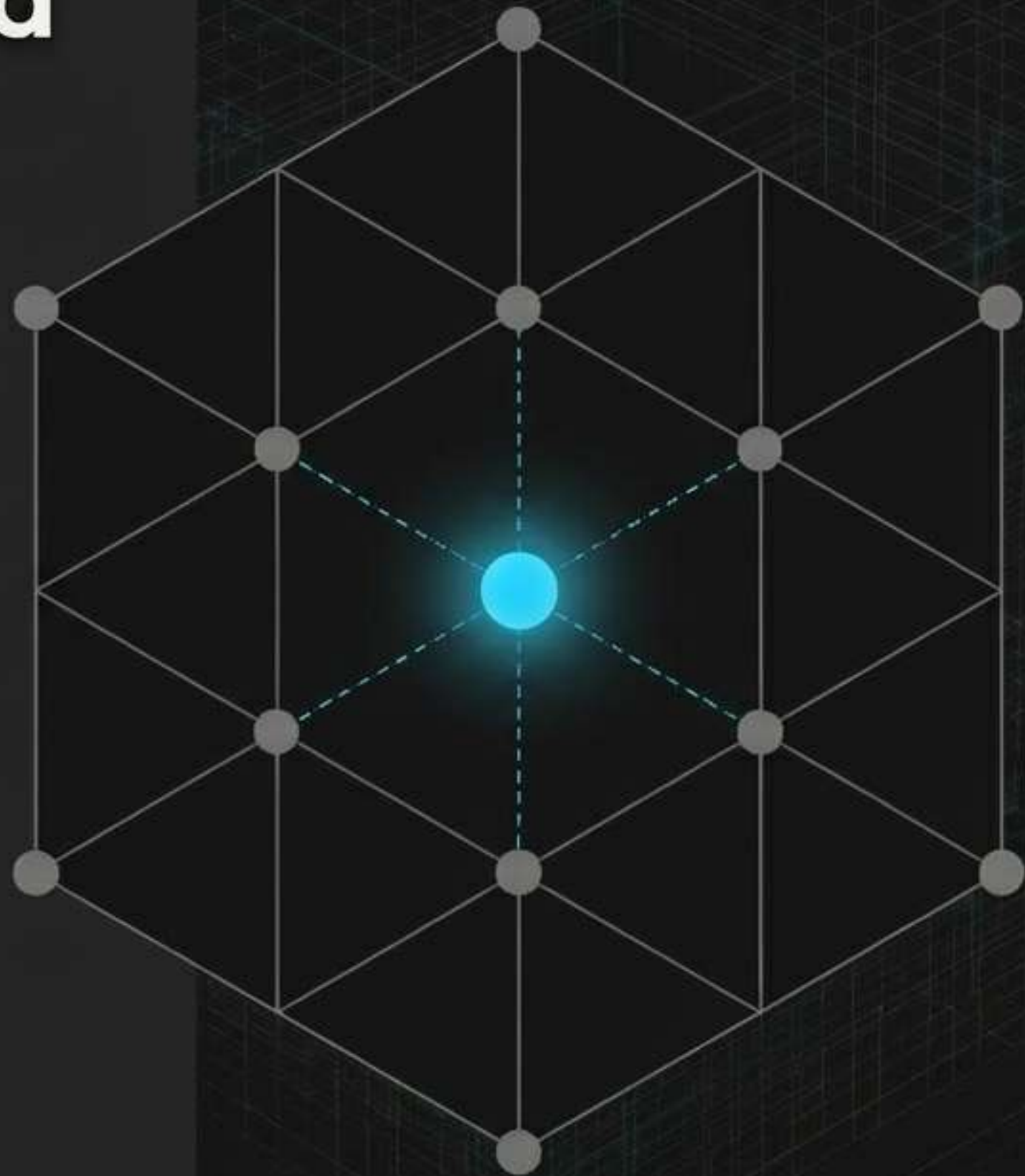


Most consumer-grade hardware and the Lumatic Lab suite are optimized for exactly one size: 33^3 (35,937 data points). It is the perfect balance point for cross-software compatibility.

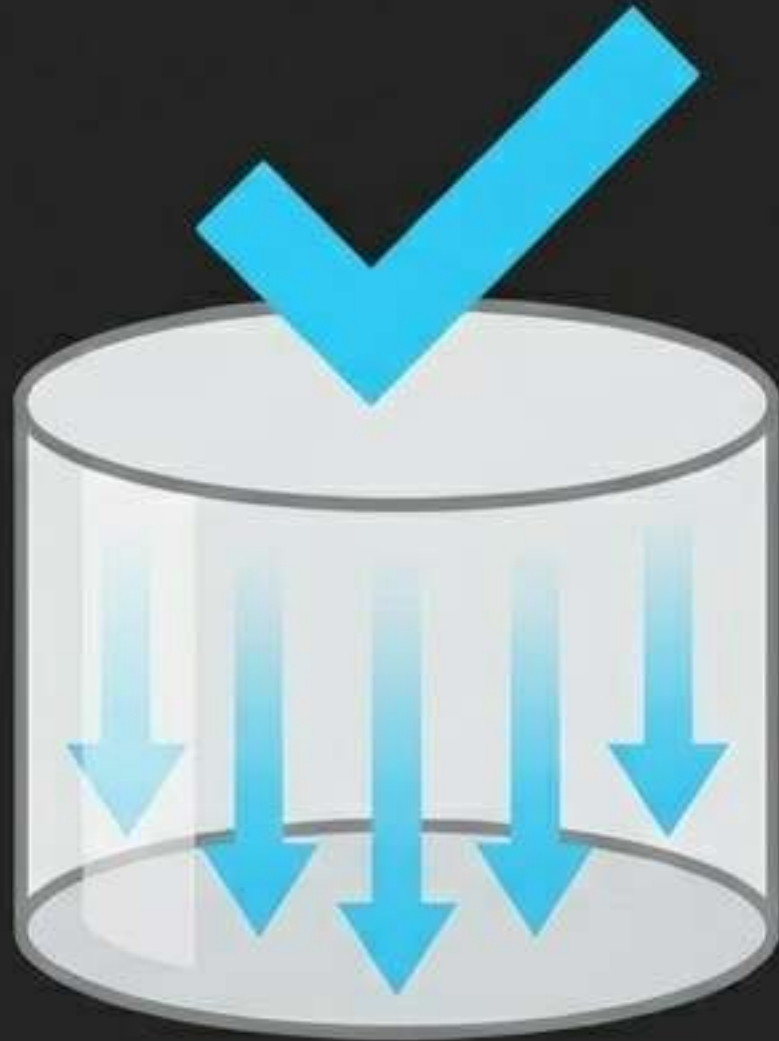
Rebuilding the color grid

The engine finds the nearest 8 colors and calculates a smooth average.

The Resampler doesn't just shrink or stretch data. It uses Trilinear Interpolation to intelligently recreate colors at the new resolution—guaranteeing no banding, no stepping, and no distortion.



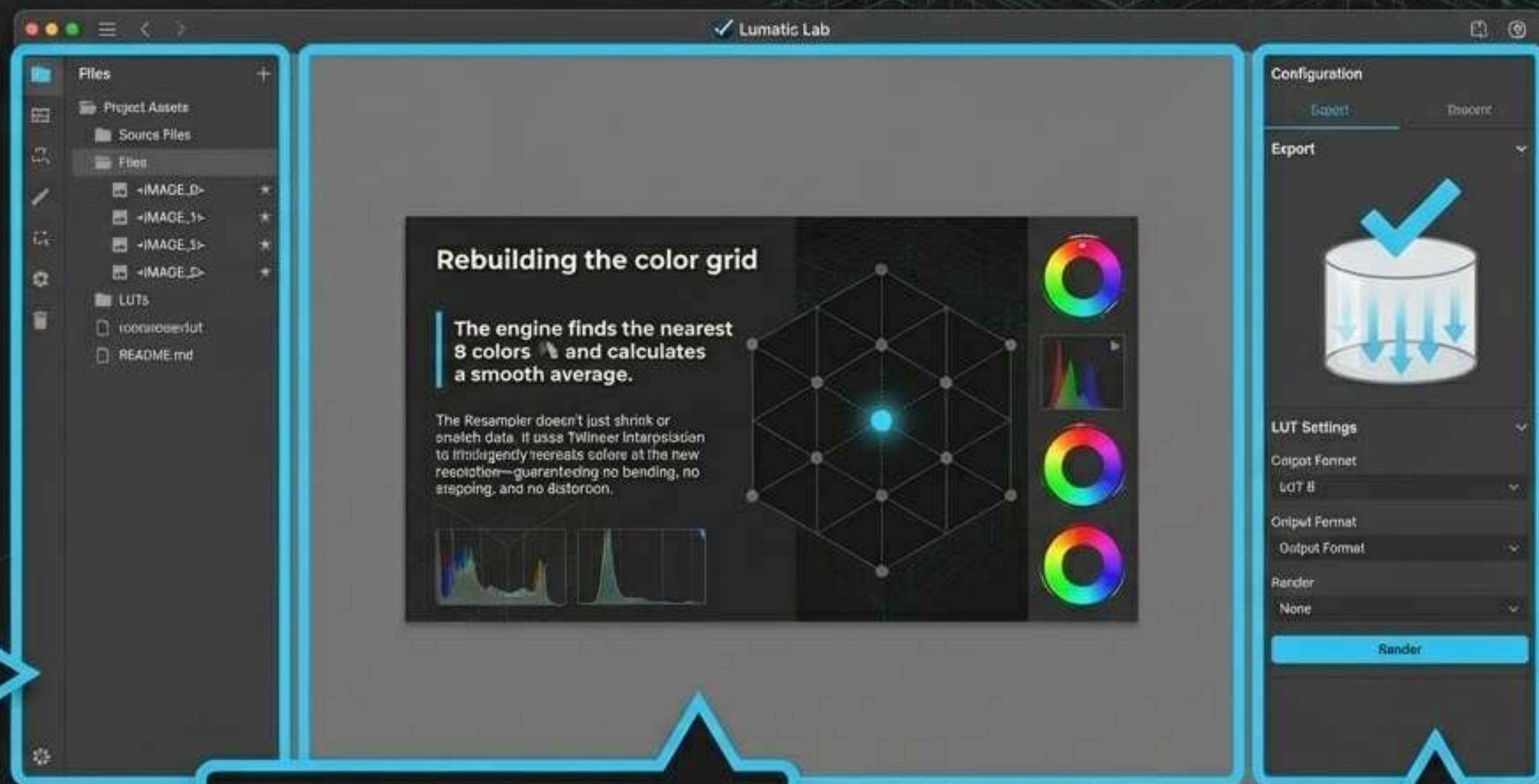
Absolute Buffer Integrity



Processing multiple files? Each LUT is processed independently from a clean memory buffer. The math for “LUT A” never touches the math for “LUT B,” preventing cross-file contamination and rounding drift.

Meet the Workspace

The interface is built on a mandatory Middle Gray (#7F7F7F) background to maintain visual neutrality while you audit your colors.



**1. The Sidebar
(Ingest)**

**2. The Viewport
(Canvas Preview)**

**3. The Controls
(Configuration & Export)**

1

Step 1 — Master Ingest

Drag & Drop. Pull your non-standard .cube files (whether they are 17³, 64³, or 65³) directly into the ingest area.



DROP .CUBE FILE

2

Step 2 — Verify & Audit

Check the console to verify the detected lattice size in your queue list. The engine will confirm the exact 3D size of the file you just ingested.



The “Clear Queue” Function



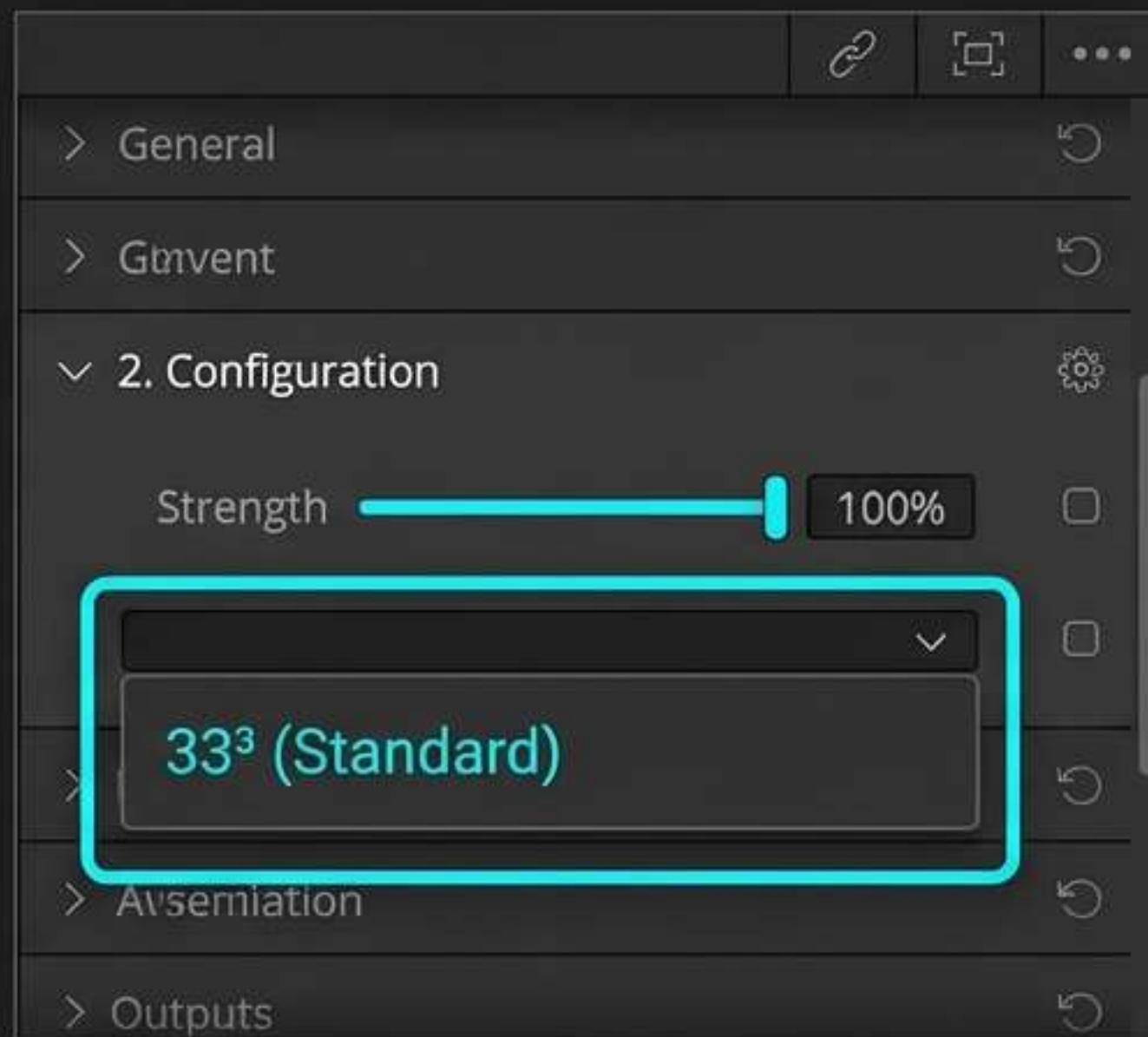
[CLEAR ALL]

Need to start over? The Clear Queue command destructively purges the memory buffer and resets the workspace. It keeps your environment perfectly clean for the next batch.

3

Step 3 – Configuration

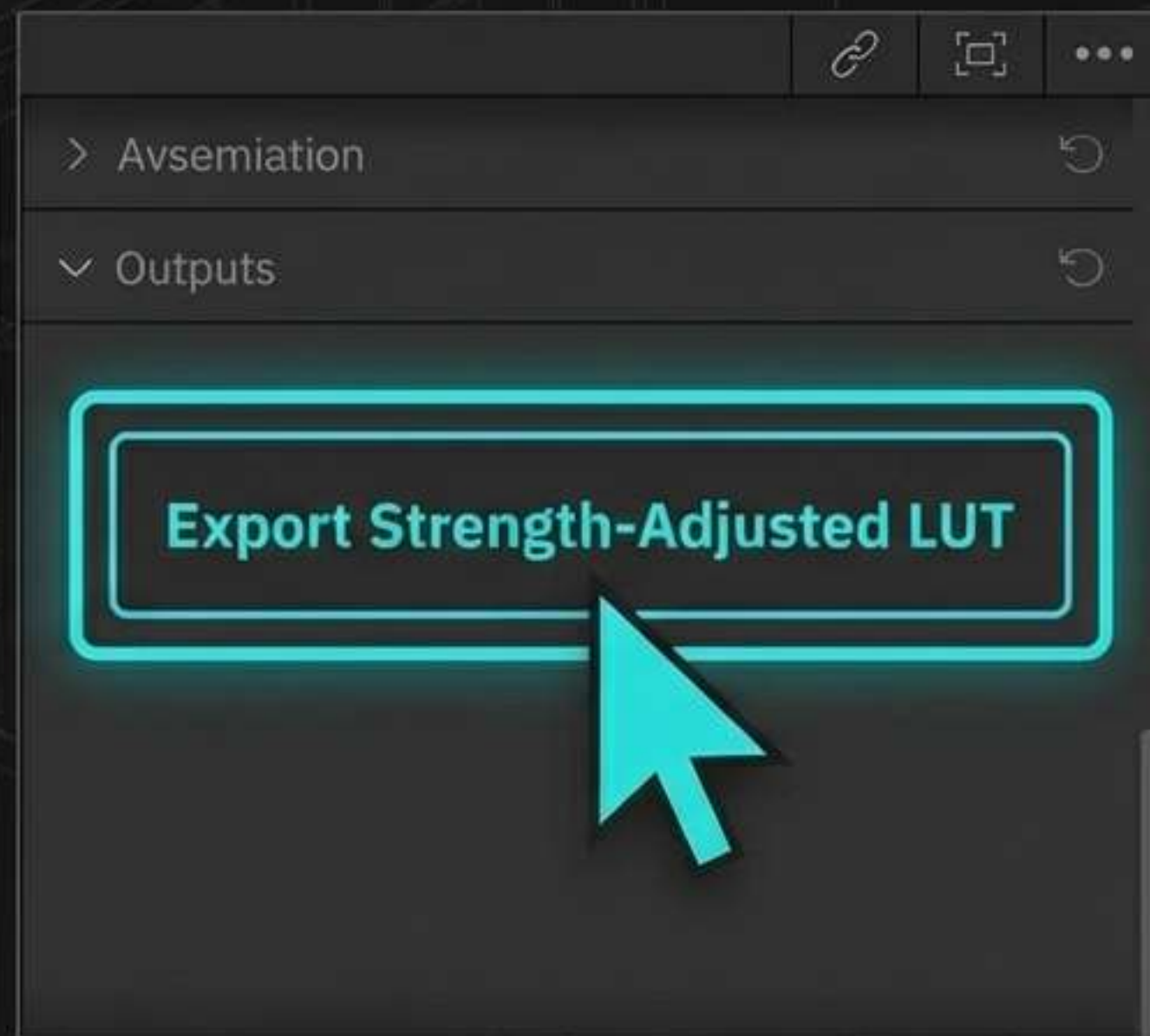
Dial in your exact look. Adjust the strength slider and confirm your target output size. It defaults to the 33³ Master Standard.



4

Step 4 – Bake Master

Click Export. The engine sequentially processes the file and automatically downloads your normalized 33^3 Master.

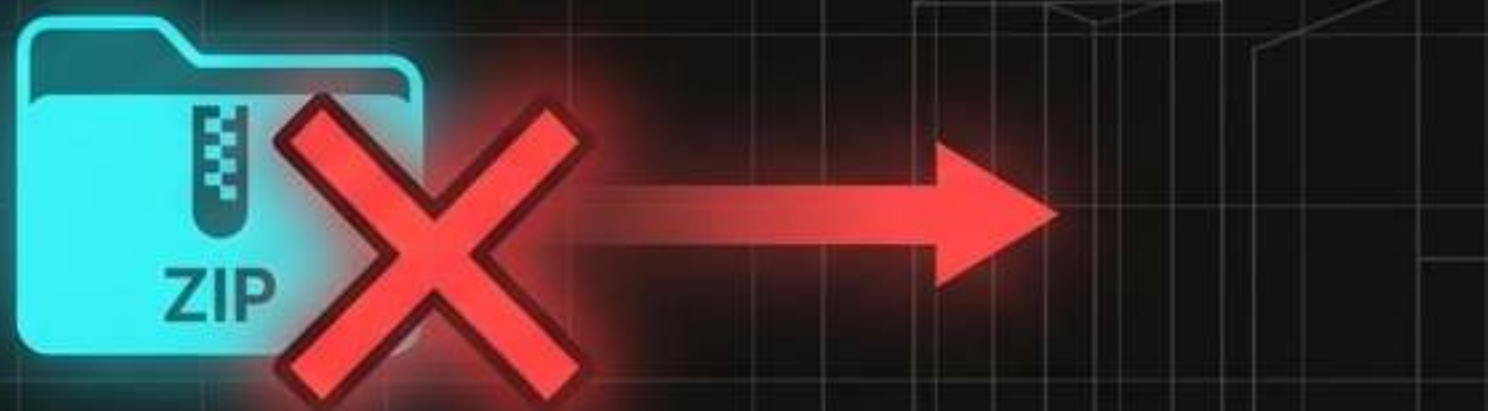


Pro-Tip: Bypassing OS Blocks

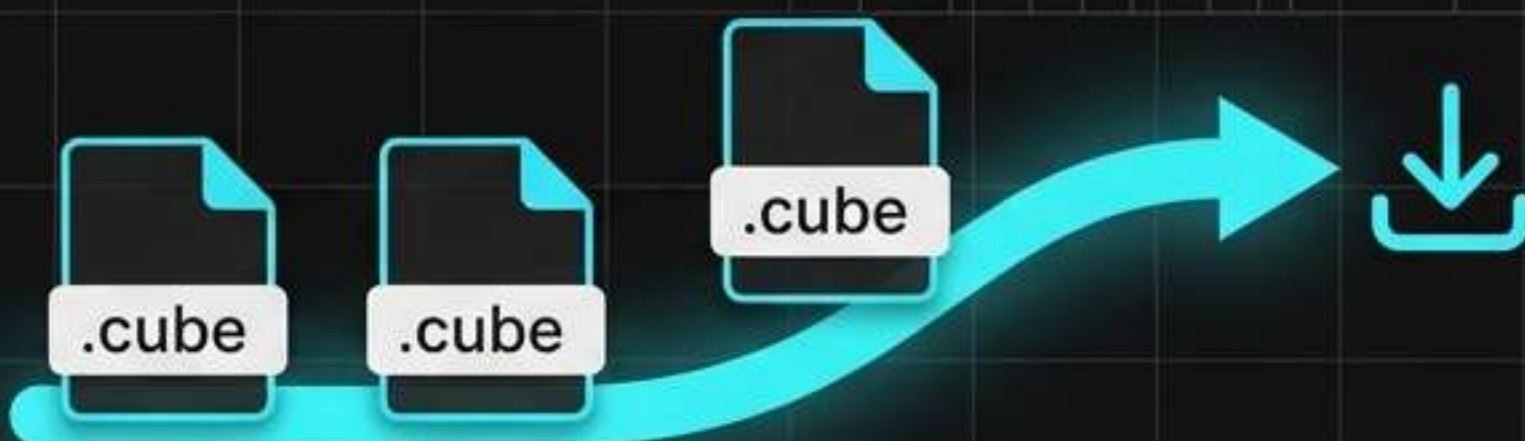
Windows 11 often blocks bundled ZIP files as “Harmful.” To keep you moving, the Resampler uses Sequential Stream Downloads.

If prompted, simply allow multiple downloads in your browser settings.

Path A: Bundled ZIP Blocked



Path B: Sequential Stream Downloads



**Any LUT becomes portable.
Any workflow becomes predictable.**



Stop guessing. Start standardizing.