

CAST_NODE_01 - One-Page App Summary

Repo-backed summary generated from local source files only.

WHAT IT IS

CAST_NODE_01 is the app behind aristhorne.systems. It combines a public-facing narrative site with a local operator console that supports Neuralese translation, event intake, diagnostics, and deployment-oriented control workflows.

WHO IT'S FOR

Primary user/persona: press, documentary, and research audiences who need a compact, repo-backed description of the project and its implemented software surface.

WHAT IT DOES

- Publishes public pages for Genesis, Architecture, Events, Deployment, Archive, Press Kit, and Manifesto.
- Exposes downloadable artifacts for the manifesto and app summary.
- Captures attendance, collaboration, and press signups through local ledger-backed flows.
- Runs a dual-pane operator console for prompt input, rendered output, diagnostics, and review.
- Supports audio-reactive analysis, exports, and dome-oriented control dispatch.
- Tracks health snapshots, artifacts, and system readiness from within the app.

HOW IT WORKS

- Frontend: Next.js site with public routes plus the CAST_NODE operator console.
- API layer: ``app/api/*`` routes handle bridge execution, signups, artifacts, exports, health, and orchestration.
- Local services: TypeScript modules in ``lib/*`` support records, routing, diagnostics, queueing, and artifact access.
- Python sidecars: audio analysis, optional ComfyUI orchestration, and provenance scaffolding live under ``python/*``.
- Persistence: repo evidence shows local files and generated artifacts under ``artifacts/``, ``docs/``, and signup-ledger files. External database: Not found in repo.

HOW TO RUN

1. ``npm install``
2. ``copy .env.example .env.local``
3. Set ``OPENAI_API_KEY`` if live API mode is required
4. ``npm run dev``
5. Open ``http://localhost:3000``