

VisionCraft Studio Forge

Mindwalker's Unified AI Image & Video Generation Platform

Enterprise-ready multimodal creation with consistent performance and predictable cost on hybrid deployment

VisionCraft is an integrated multimodal generation platform that combines advanced AI image and video synthesis within a single, optimized pipeline. It orchestrates multiple industry-grade providers, SeeDream, Nano Banana Pro, SeeDance, Google Veo, Wan, and Z-Image through an intelligent routing layer that selects the most suitable model based on content type, visual complexity, and performance requirements. Designed for enterprise workloads, VisionCraft delivers stable output quality, low-latency inference, and scalable throughput. Its architecture leverages parallelized processing, dynamic model allocation, and iterative alignment techniques, including reward-guided optimization and preference-based fine-tuning, ensuring consistent, production-ready visual outputs across diverse use cases.

To maximize its capabilities, VisionCraft delivers a streamlined end-to-end workflow that moves projects smoothly from concept to final delivery. It starts with the Brief, where users define prompts, orientation, and duration. AI Prompt Enhance expands these ideas into detailed instructions for a unified style. The Storyboard organizes scenes with drag-and-drop editing and AI continuity support. In Visualization, images and videos are generated in real time with non-destructive editing to ensure consistency. Finally, Export & Deliver combines approved clips into a cohesive, ready-to-air video.



Prompts Enhancement

Turns simple ideas into structured, high-quality prompts, ensuring clearer intent and more consistent results.



Multi-Provider Integration

Multiple coworkers run on one platform, enabling easy comparison and optimal model selection.



Brand Pack Intelligence

Brand elements—logos, colors, —are detected automatically so every generated asset stays aligned with your visual identity.



Collaborative Workflows

Supports team workspaces, role-based access, and organized project structures for secure and efficient collaboration.



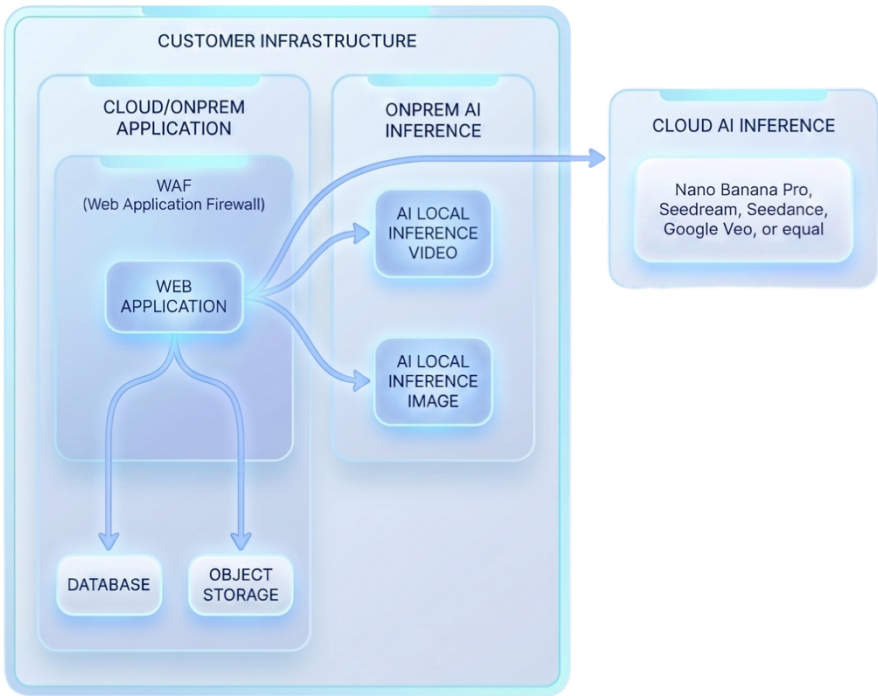
AI-Powered Storyboard

Streamlines the entire creative process—from initial brief and storyboarding to real-time generation and seamless final video assembly.

Content creation becomes significantly faster and more efficient with VisionCraft, as shown in the comparison below.

Activity	With VisionCraft	Without Vision Craft (Manual Workflow)	Efficiency Gain
Concept ideation	5–10 seconds ¹⁾	1–2 hours of brainstorming	~99% faster
Producing a single final image	3–8 seconds ¹⁾	2–4 hours of manual design	~99% faster
Visual revisions (color, composition, style)	2–5 seconds ¹⁾	30–60 minutes per revision	~98% faster
Creating a short video (3-5 seconds)	20–40 seconds ¹⁾	6–12 hours of production + editing	~99% faster
Producing 10 assets for a campaign	Under 2 minutes ¹⁾	2–5 full working days	~99% faster

VisionCraft Studio Forge integrates seamlessly with customer infrastructure, combining on-premise inference and cloud AI providers through an intelligent routing layer for secure, scalable performance.



Technical Specification

Specification	Image Generation	Video Generation
Modalities	Static	Short-form, 4–12s
Model Providers	• SeeDream • Nano Banana Pro • Local Model³⁾ (optional) <i>(contact us for more models²⁾)</i>	• SeeDance • Google Veo • Local Model³⁾ (optional) <i>(contact us for more models²⁾)</i>
Brand Detection	Color recognition via embedded visual parser	Not available
Output Resolution	Up to 4K	Up to 4K ⁴⁾
Workspace System	Multi-project, role-based access with isolated data containers	
Export Formats	JPG, PNG	MP4
Usage Control	Token-based generation with adjustable limits per workspace	
Other features are customizable ²⁾		

Content Generation Limitations

Content generation in VisionCraft Studio Forge follows specific technical constraints to ensure stable, high-quality outputs. The tables below outline the resolution, aspect-ratio, and model-specific limitations for both image and video generation.

Image Generation Models

Model	Supported Resolutions	Aspect Ratio Limitations	Notable Constraints
Nano Banana Pro	Up to 4096x 4096	Supports 1:1, 1:4, 1:8, 2:3, 3:2, 3:4, 4:1, 4:3, 4:5, 5:4, 8:1, 9:16, 16:9, 21:9	High-detail scenes may reduce sharpness at max resolution
SeeDream	Up to 4096×4096	Supports 1:1, 3:4, 4:3, 16:9, 9:16, 3:2, 2:3, 21:9	4K output available only for supported ratios; complex scenes may increase generation time
Z-Image	512×512 to 2048×2048	Supports any aspect ratio	Higher resolutions may increase inference time; negative prompting is recommended for better control

Video Generation Models

Model	Supported Resolutions	Aspect Ratio Limitations	Notable Constraints
SeeDance	480p, 720p, 1080p	Supports 16:9, 9:16, 4:3, 1:1, 3:4, 21:9	Motion-heavy scenes may introduce minor artifacts; max duration typically 3–5 seconds
Google VEO	720p, 1080p, 4K (preview-limited)	Supports 16:9, 9:16	4K output may be restricted to short clips; audio generation available only in cinematic mode
Wan 2.2	720p	Depends on selected/input format	Designed for video generation; larger variants may need substantial GPU memory

¹⁾ Image and video generation times are estimates; actual processing durations may vary or exceed stated values depending on prompt complexity, network conditions, concurrent user load, and other operational variables.

²⁾ Supplementary features and custom development require prior consultation with Mindwalker.ai and are subject to additional development charges.

³⁾ Deployment of local LLM models requires separate infrastructure that is excluded from the baseline VisionCraft package.

⁴⁾ Actual image and video resolution varies by selected model.