

xAI · GROK

# Grok Models

*Real-Time Intelligence · Reasoning · Vision Built for Truth-Seeking*

Grok 3

Grok 3 Reasoning

Grok 3 mini

Grok Vision

Aurora (Image)

Grok 2

# The Grok Model Family

Six models across reasoning, vision, and image generation with unique real-time X data access

## 🧠 LANGUAGE & REASONING MODELS



Flagship Model

### Grok 3

*xAI's most capable general-purpose model*

- Frontier reasoning & analysis
- Live X (Twitter) data access
- 131K context window
- Coding, math & research tasks



Deep Thinking

### Grok 3 Reasoning

*Extended chain-of-thought reasoning model*

- Slow-think mode for hard problems
- Matches o1 on STEM benchmarks
- Multi-step math & logic
- Science & research analysis



Fast & Efficient

### Grok 3 mini

*Lightweight speed without sacrificing quality*

- Low latency real-time answers
- Cost-efficient at scale
- Still has live X data access
- Chat, classification & drafting

## 🌟 VISION & GENERATIVE MODELS



Vision+Language

### Grok Vision

*Multimodal image & text understanding*

- Image Q&A & analysis
- Chart & document reading
- Screenshot understanding



Image Generation

### Aurora

*xAI's text-to-image generation model*

- Photorealistic image synthesis
- Integrated into Grok on X
- High prompt fidelity



Proven & Stable

### Grok 2


*Battle-tested model reliable & available via API*

- Stable production API access
- Strong general language tasks
- Available via xAI API today

# Which Grok Model Should You Use?

Match your task across reasoning, vision, image generation, and real-time data

USE CASE / SCENARIO	MODEL	WHY IT FITS
General Q&A, analysis & research tasks	Grok 3	Flagship model frontier intelligence with live X real-time data access
Hard math, science & multi-step reasoning	Grok 3 Reason.	Slow-think chain-of-thought matches o1 performance on STEM benchmarks
High-volume, low-latency chat & classification	Grok 3 mini	Efficient & fast retains real-time X access at a fraction of the cost
Image & document understanding	Grok Vision	Native multimodal reads images, charts, screenshots, and documents
Text-to-image & creative visual content	Aurora	xAI's image generation model photorealistic, integrated in Grok on X
Production API integrations (stable)	Grok 2	Battle-tested & available now via xAI API reliable for production builds
Real-time news, trends & social intelligence	Grok 3	Unique advantage live access to X posts, trends & breaking news data

 Pro tip: Grok's key differentiator is live X (Twitter) data use it when recency matters. Use Grok 3 Reasoning for hard problems, mini for speed, Aurora for image generation.