

DeepSeek R1

Vs

o3-mini

The AI Battle Everyone's
Talking About!

DeepSeek R1



o3-mini



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DISCOVER MOBILITY

**Which model offers your
business the**

Best Performance,

Cost Efficiency &

Flexibility?

Let's find out.



What is DeepSeek R1?

Launched:

20 January 2025

Availability:

Open-source under the MIT license

Customization:

Fully customizable with complete control

Access:

Currently free, with no vendor lock-in

**DID YOU
KNOW?**

DeepSeek R1's \$6M training cost claim is far below GPT-4's \$100M, although the figure remains under debate.

What is OpenAI o3-mini?

Launched:

31 January 2025

Customization:

Limited flexibility

Availability:

**Closed source,
OpenAI's proprietary
model**

Access:


**Available only
through OpenAI's
ecosystem**



What Makes Each Model Unique?

Feature/Benefit	DeepSeek R1	o3 mini
Total Parameters	671B	~200B
Active Parameters/Token	37B	Full dense
Context Window	128K tokens	200K tokens
Architecture	MoE – Scalable, activates only a subset of parameters per task	Dense Transformer – Uses full model for each task for consistent output

Source: OpenAI & DeepSeek

 DeepSeek R1 is more parameter-efficient, while o3-mini offers a longer context window.

Which Model is More Cost-Effective?

Cost Factor	DeepSeek R1	o3 mini
API Cost (per M tokens)	\$2.19	\$4.40

Source: OpenAI & DeepSeek

- ◆ Compared to o3-mini, DeepSeek R1 costs about **50% less per API request.**

Which Model Excels Where?

Parameter	DeepSeek R1	o3-mini (2025-01-31-medium)
Global Avg	71.57	70.01
Reasoning	83.17	86.33
Coding	66.74	65.38
Math	80.71	72.37
Data Analysis	69.78	66.56
Language	48.53	46.26
IF	80.51	83.16


Source: [LiveBench.ai](#)

- ◆ We're comparing **o3-mini (2025-01-31-medium)**, the default version available to everyone, against **DeepSeek R1** to assess their strengths.
- ◆ **DeepSeek R1** performs better in **Math, Data Analysis**, making it stronger in numerical problem-solving and structured analytics.
- ◆ **o3-mini** leads in **Reasoning and IF** indicating better logical inference, adaptability, and programming capabilities.

Which One Is Safer?

Model	Unsafe Responses (%)
o3-mini	1.19%
DeepSeek R1	11.98%

Source: “o3-mini vs DeepSeek-R1: Which One is Safer?” by Arrieta et al. (2025)

 DeepSeek R1 exhibits a higher percentage of unsafe responses (11.98%), indicating that additional safeguards may be necessary for customer-facing applications.

Which One Fits Your Needs?

Choosing the Right Model



DeepSeek R1 for:

- ✓ Cost-efficient operations
- ✓ Scalability & resource optimization



o3-mini for:

- ✓ Consistent performance
- ✓ Better safety & reliability



Need Help Implementing DeepSeek R1 or o3 mini?

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