

Llava

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Demo Environment

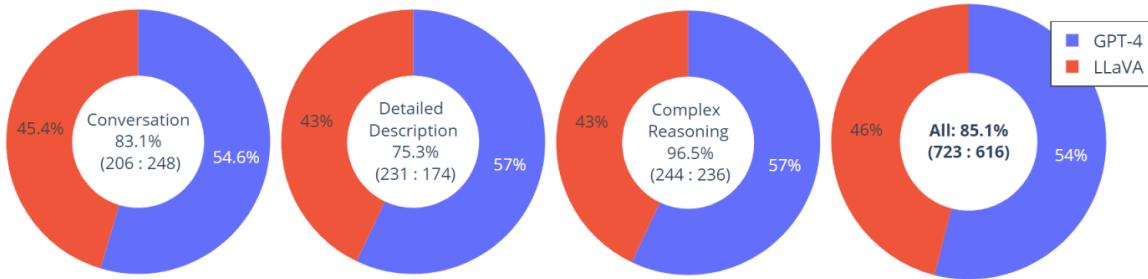
Development Board: Jetson Orin, RDK X5, Raspberry Pi 5 series motherboard

Note: This model cannot run on Jetson Orin Nano 4GB, Raspberry Pi 5 2GB/4GB, or RDK X5 4GB versions due to performance limitations. **

1. Model Size

Model	Size
llava:7b	4.7GB

2. Performance



3. Using Llava

3.1 Running Llava

Use the `run` command to start running the model. If you haven't downloaded this model before, it will automatically pull the model from the Ollam model library:

```
ollama run llava:7b
```

```
user@localhost:~$ ollama run llava:7b
pulling manifest
pulling 170370233dd5: 100%
pulling 72d6f08a42f6: 100%
pulling 43070e2d4e53: 100%
pulling c43332387573: 100%
pulling ed11eda7790d: 100%
pulling 7c658f9561e5: 100%
verifying sha256 digest
writing manifest
success
>>> Send a message (/? for help)
```

3.2 Engaging in a Dialogue

```
How many minutes is half an hour?
```

The response time depends on your hardware configuration. Please be patient!

```
>>> How many minutes is half an hour?
Half an hour is 30 minutes.

>>> Send a message (/? for help)
```

3.3 Visual Functions



```
what do you see in this picture? ./test_pic.png
#Using ": + image path" in the dialogue allows the model to use its visual
functions to interpret information from the image.
```

```
:[~] ollama run llava:7b
>>> What do you see in this picture? ./test_pic.png
Added image './test_pic.png'
In the image, there is a man sitting on what appears to be a rooftop under a blue sky with some clouds. He has his head turned away from the camera and seems to be looking at something or someone out of frame. The man is wearing a tank top and shorts, and he is not wearing a shirt. Behind him, there's another person standing up, also facing away from the camera. Both individuals are on a rooftop with an open sky, suggesting a warm, sunny day. There is no visible text or distinctive branding in this image that I can discern.

>>> Send a message (/? for help)
```

3.4 Ending the Dialogue

Use the shortcut `ctrl+d` or `/bye` to end the dialogue!

3.5 Chinese Dialogue

For those without a Chinese input method, please refer to the [Chinese input method switching tutorial](#).

Chinese Dialogue:

```
>>> 一个小时是多少分钟？请用中文回答我
一小时是60分钟。

>>> Send a message (/? for help)
```

References

Ollama

Official Website: <https://ollama.com/>

GitHub: <https://github.com/ollama/ollama>

Llava

Ollama's corresponding model: <https://ollama.com/library/llava>