# obstacle_segmentation pointcloud frequency low #3003
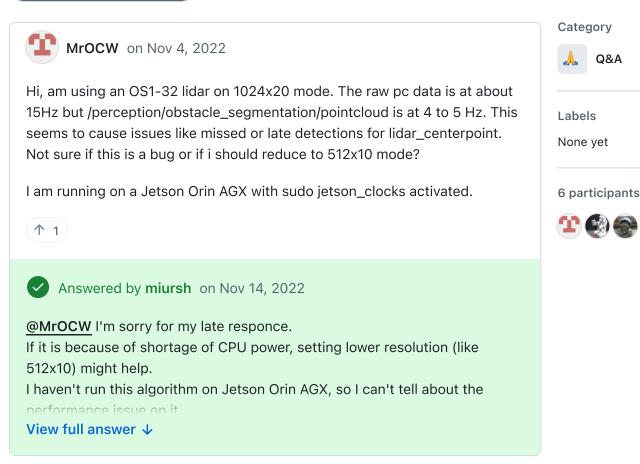
✅ **Answered by miursh**    **MrOCW** asked this question in **Q&A**

**MrOCW** on Nov 4, 2022

Hi, am using an OS1-32 lidar on 1024x20 mode. The raw pc data is at about 15Hz but /perception/obstacle_segmentation/pointcloud is at 4 to 5 Hz. This seems to cause issues like missed or late detections for lidar_centerpoint. Not sure if this is a bug or if i should reduce to 512x10 mode?

I am running on a Jetson Orin AGX with sudo jetson_clocks activated.
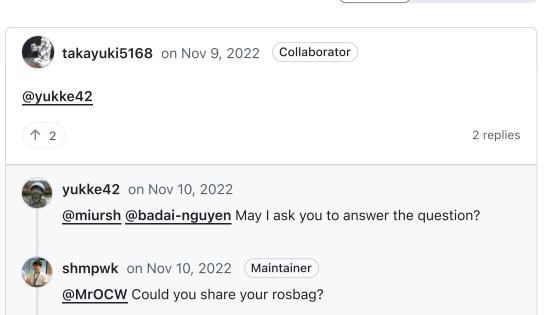
↑ 1

✅ Answered by **miursh**  on Nov 14, 2022

**@MrOCW** I'm sorry for my late responce.
If it is because of shortage of CPU power, setting lower resolution (like 512x10) might help.
I haven't run this algorithm on Jetson Orin AGX, so I can't tell about the performance issue on it.

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**Category**

🙏 Q&A

**Labels**

None yet

**6 participants**

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**takayuki5168**  on Nov 9, 2022  (Collaborator)

@yukke42

↑ 2                                            2 replies

**yukke42**  on Nov 10, 2022

**@miursh** **@badai-nguyen** May I ask you to answer the question?

**shmpwk**  on Nov 10, 2022  (Maintainer)

**@MrOCW** Could you share your rosbag?

**miursh**  on Nov 14, 2022  (Collaborator)

@MrOCW I'm sorry for my late responce.
If it is because of shortage of CPU power, setting lower resolution (like 512x10) might help.
I haven't run this algorithm on Jetson Orin AGX, so I can't tell about the performance issue on it.
Could you check the cpu and memory usage?
Also if you could share the rosbag, that would help us to investigate this problem.

✅ Marked as answer    ↑ 1    👍 1                           2 replies

**MrOCW**  on Nov 14, 2022    Author

i've changed it to 512x10 and that indeed helped. thank you!

👍 1    🎉 1

**hzkkk1997**  on Sep 15, 2023

Hello~ May I explain what mode this 1024x20 is? Can it be understood as the resolution of LiDAR?

Answer selected by **MrOCW**