VLN-Go2-Matterport Dataset Pipeline

VLN-CE-Isaac Dataset

Textual Instructions

e.g., "Go straight past the pool. Walk between the bar and chairs. Stop when you get to the corner of the bar. That's where you will wait."

Scenes (.usd file)

Expert Paths

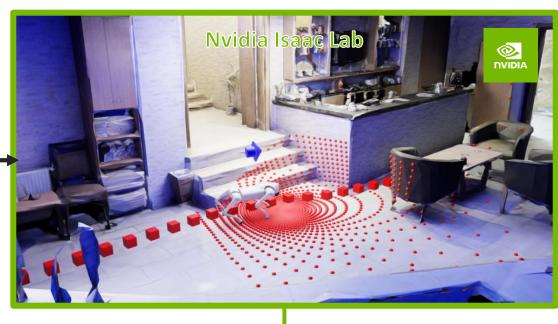
Action Control

PD Controller

Locomotion Policy

Turn Left

Move Forward



t = 20 * k

VLN-Go2-Matterport Dataset

RGB Images

(./rgbs/rgb_k.npy)

(Move Forward)

Depth Maps

(./depths/depth_k.npy)

Action taken

(actions.txt : line k)



Turn Right



viewpoints



(Turn Right)















(Turn Right)

(Turn Left)