

## Diverse Environments

Operating scenarios



Real World

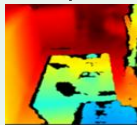


Simulators

Camera images



RGB images



Depth images

Diverse Hardware

Robotic arm



Cameras



End-effectors



### (1) Perception Based Task Gen.

Scenes inference and  
multi-level tasks generation



### (2) Task Planning

Task planning and action  
sequence decomposition



(3)

Task execution



(4)

Task  
Feedback



### (5) Data Collection

Task description  
Image and trajectory pairs  
Action sequence(**action, obj**)  
Task feedbacks

