

UAVScenes: A Multi-Modal Dataset for UAVs

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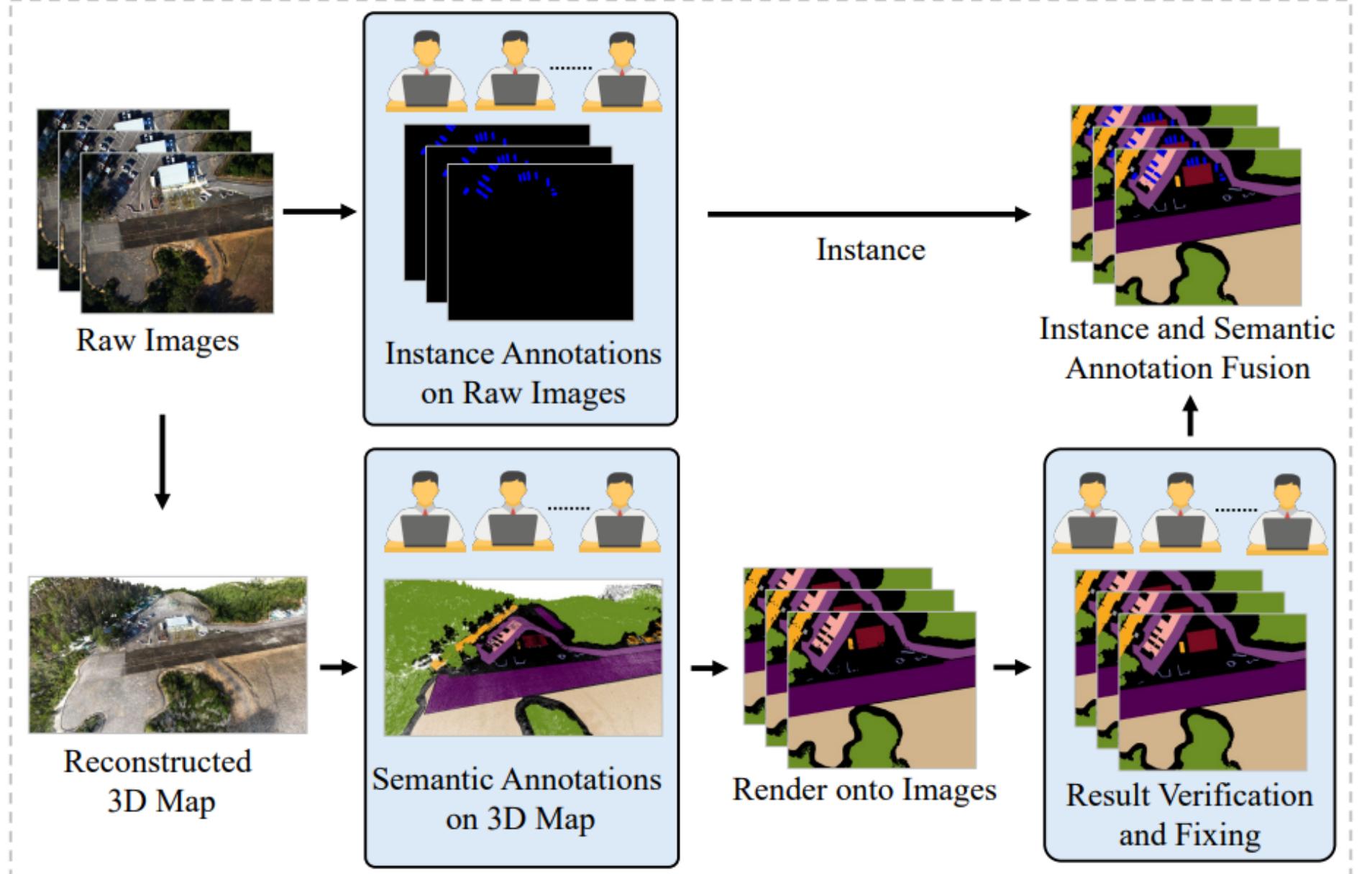
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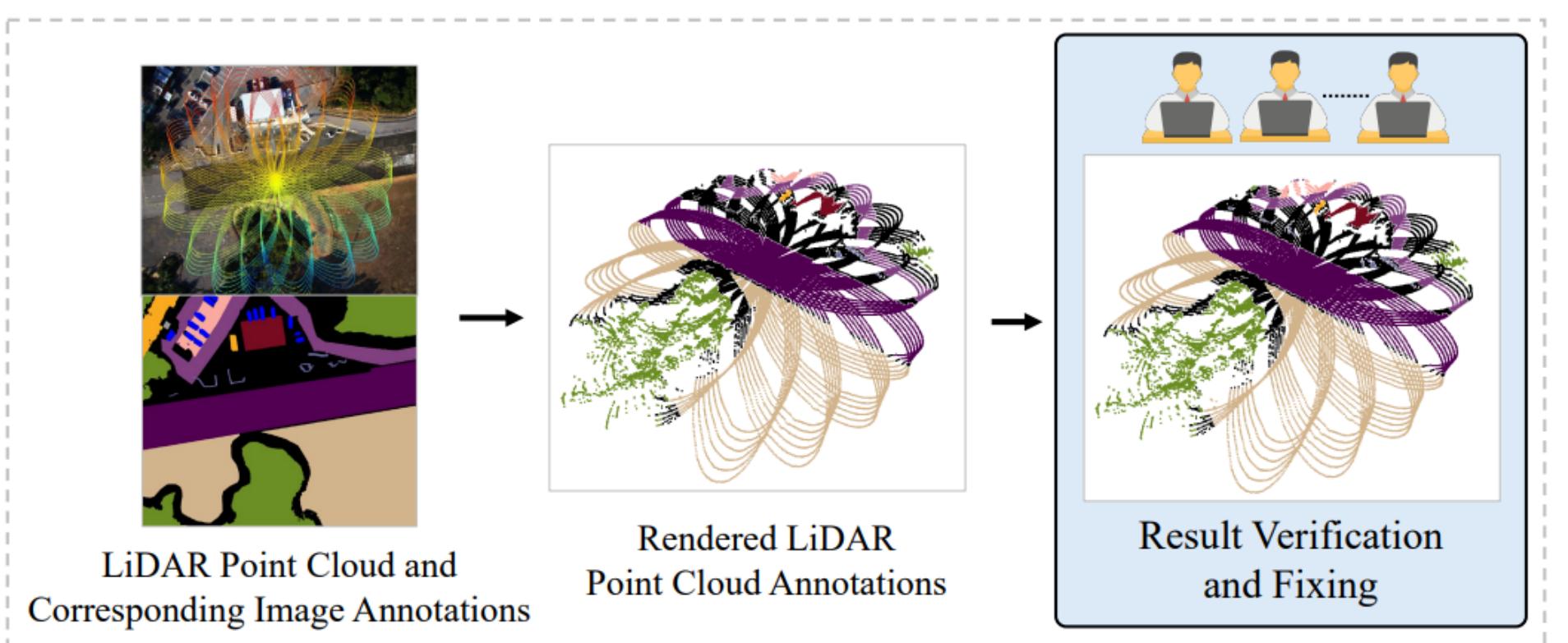


Visualization of frame-wise image and LiDAR point cloud annotations of the proposed UAVScenes dataset.

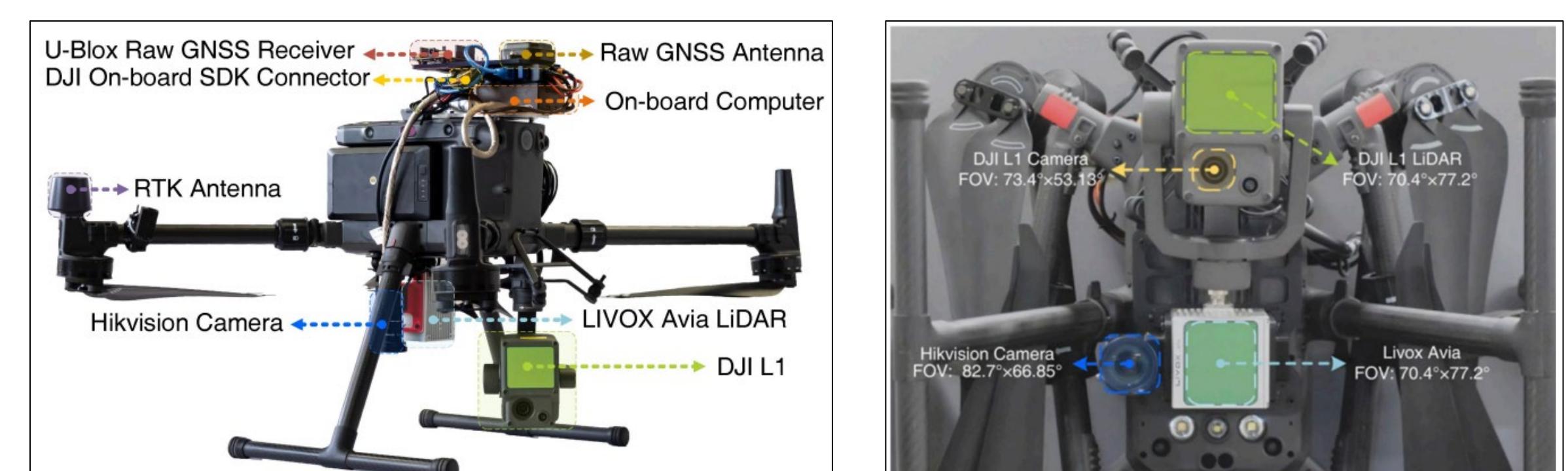
Visualization of the reconstructed 6-DoF poses and 3D mesh/point cloud maps.



The 2D image annotating pipeline. Manual annotating is conducted at 3D map annotations, instance annotations, and fixing stages.



The LiDAR point cloud annotating pipeline. Manual annotating is conducted at fixing stages.



The data collection platform used in Mars-LVIG. Images are from Mars-LVIG. The sensors are mounted on the DJI M300 RTK industrial UAV.