

INPUT LAYER

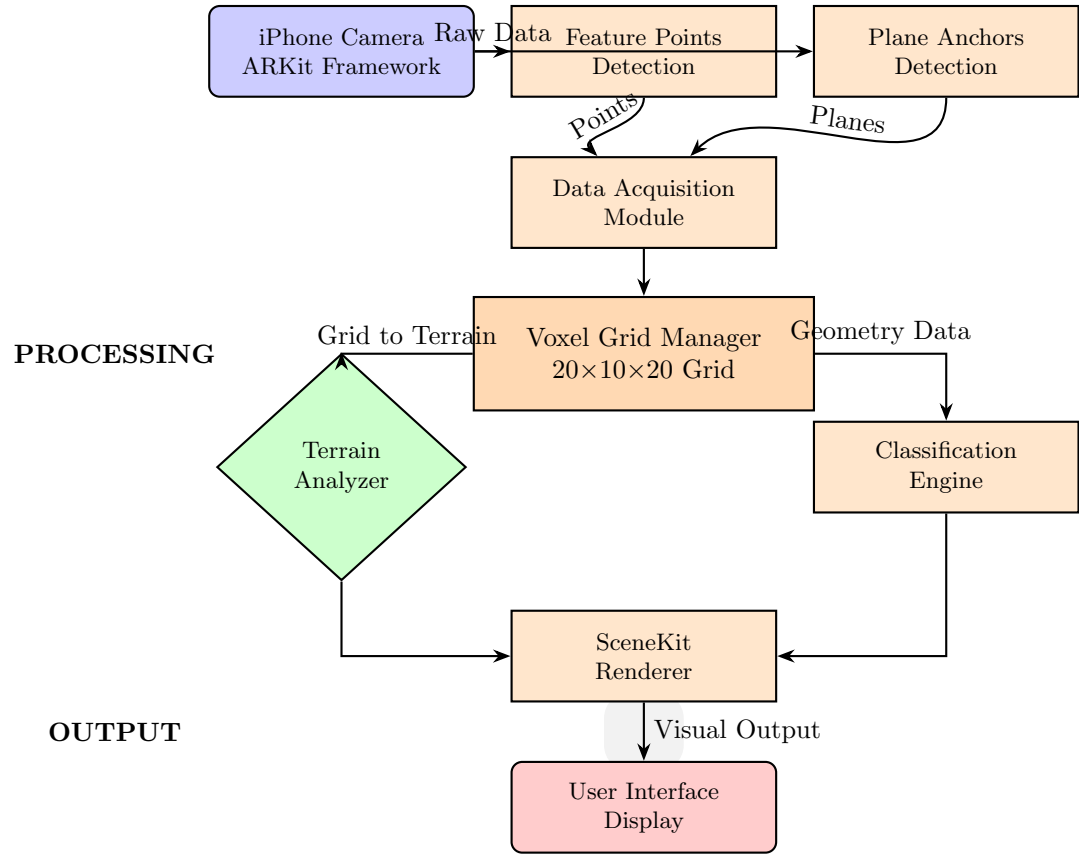


Figure 1: System Architecture Overview: Data flows from ARKit input through processing layers to voxel visualization

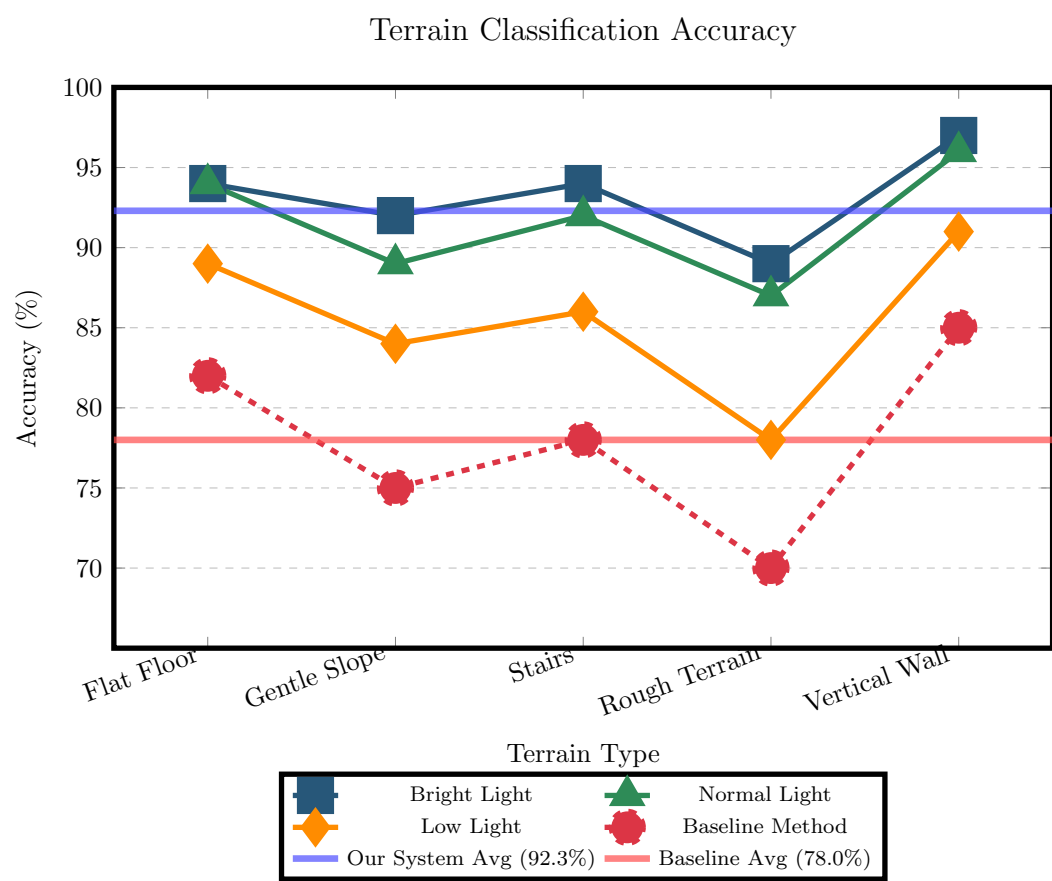


Figure 2: Terrain Classification Accuracy: Performance metrics across different terrain types and lighting conditions