HexTree Planner: Basic Control Flow

Pre-processing

Start → UAV comm. → V-SLAM

process   process

State Estimator

VO

Inputs

IMU Acc.

Read Sensors

Inputs

NAV Vel.

Fusion (UKF)

Merge

Data

Trajectory Controller

Manual Input → Trajectory Manager → Set Point → Position Controller → Target Achieved → Finish Traj.

process   Inputs   process

Decision   Decision

Yes

No   No   Yes

No

Finish