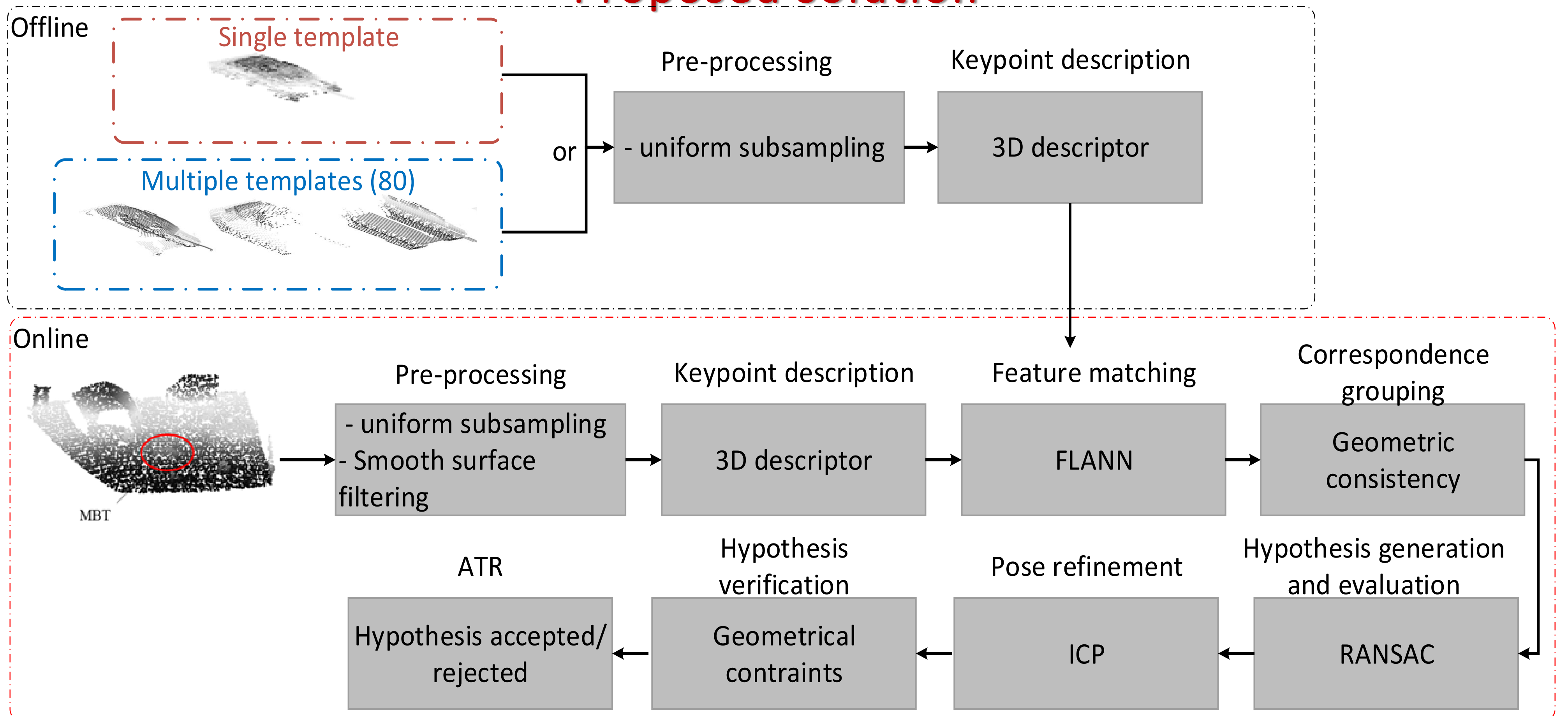


# 3D Automatic Target Recognition for UAV Platforms

## Highlights

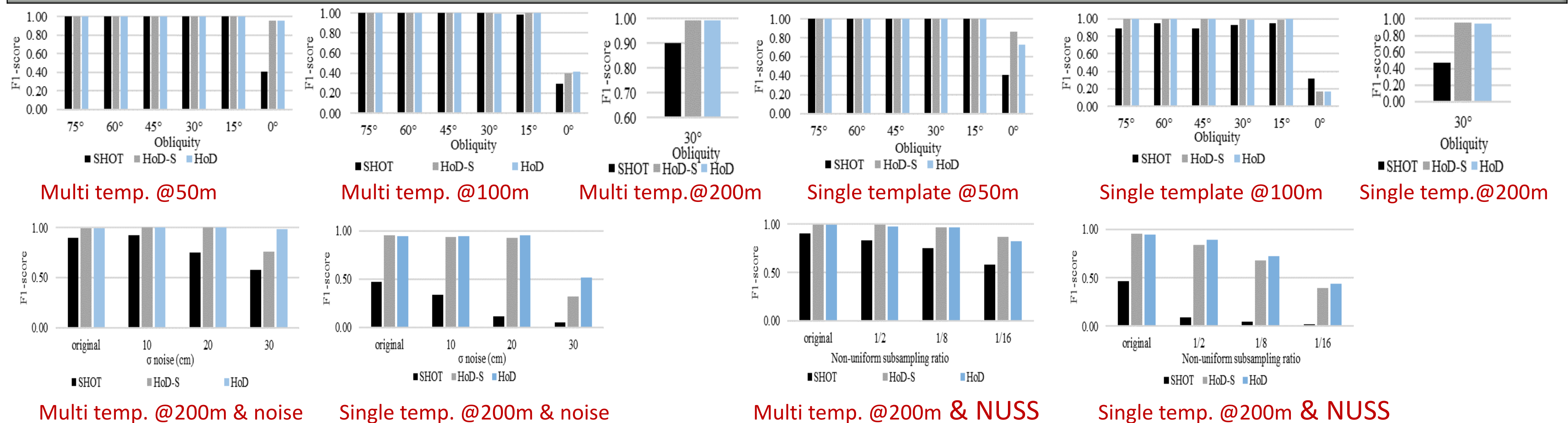
- Computer vision techniques in the context of 3D ATR for UAV platforms
- Two template size cases; Single and Multi
- Simulated but highly credible UAV reconnaissance scenarios with obliquity, range and atmospheric disturbances

## Proposed solution



## Experiments

- Single template vs. Multi template
- UAV – target range at 50m – 100m – 200m at 0°-75° obliquity
- Noise and non-uniform subsampling (NUSS) simulating atmospheric disturbances



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