

# ImageToMulticode Report

Date: 2025-08-28

Goal: Convert UI images to IR and generate Web/React/Flutter code.

Pipeline: preprocess â detect â OCR (optional) â layout â IR â generators.

Determinism: golden snapshots enforce byte-for-byte outputs.

Quality: ruff, black, mypy, pytest, E2E pipeline tests.

Packaging: Docker, optional PyInstaller for CLI.

Limits: Heuristic-only detection; YOLO hooks left as future work.

Future Work: Improve heuristics, add more widgets, support grids & constraints.