Faro Scanner Pipeline

scan1 scan2 scan3

Down scale

Point cloud alignment

3D mesh reconstruction

Expert cleaning

GT mesh

iPhone Pipeline

Short RGBD Sequence

Long RGBD Sequence

SLAM ← Polycam → SLAM

Short sequence mesh → Global registration → Long sequence mesh

Kinect Pipeline

Short RGBD sequence

Long RGBD sequence

SLAM ← Spectacular AI → SLAM

Undistorted RGBD   Rectified camera pose

Undistorted RGBD   Rectified camera pose

Estimated Point cloud → Global registration → Estimated Point cloud

Inpainting Depth

Z-buffer