

Protocols Overview

P1 – Shopping and Machining list

This document lists each essential component with the supplier, the product name, the model (or item reference) and its approximate price in Euro. 2D Drawings and 3D models of most components are available on Github (https://github.com/kavli-ntnu/MINI2P_toolbox/tree/main/Hardware).

P2 – System building protocol

This protocol includes all steps to assemble a MINI2P system. Each Protocol starts with a short-list of main reagents and tools needed, followed by an overview schematic of the module, and a table with the main products.

HC-920 assembly and laser coupling video tutorial can be found on the link: <https://www.youtube.com/watch?v=HjAtoPbDu8E>.

P3 – Miniscope assembly protocol

How to assemble a MINI2P microscope is described in this protocol. Assembly tutorial video can be found on the link: <https://youtu.be/I0aYfi8GrIc>. Protocol document will be provided soon.

P4 – System operation manual

This section includes guidance for software installation, and imaging with MINI2P system. Protocol document will be provided soon.

P5 – System performance test protocol

This section illustrates how to calibrate and characterize the MINI2P system. Protocol S5 will be provided soon.