# Document S1– Shopping & Machining List

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item**  **ID** | **Source** | **Accessibility** | | **Description** | **Link** | **Image** | **Quantity** |
| **General tools** | | | | | | | | |
|  | Thorlabs | | purchase | Spanner Wrench  0.5in lens tubes | [SPW30](https://www.thorlabs.com/thorproduct.cfm?partnumber=SPW603) | SPW603 - Spanner Wrench for SM05-Threaded Retaining Rings, Length = 1.00in | 1 |
|  | Thorlabs | | Purchase | Fiber stripping tool | [FTS4](https://www.thorlabs.com/thorproduct.cfm?partnumber=FTS4) | FTS4 - Three-Hole Stripping Tool for Fiber Buffers and Jackets | 1 |
|  | Thorlabs | | purchase | Fiber Cleaver | [XL411](https://www.thorlabs.com/thorproduct.cfm?partnumber=XL411) | XL411 - High Precision Fiber Cleaver, Switchable Blade Position | 1 |
|  | Thorlabs | | purchase | Spanner Wrench 1in lens tubes | [SPW602](https://www.thorlabs.com/thorproduct.cfm?partnumber=SPW602) | SPW602 - Spanner Wrench for SM1-Threaded Retaining Rings, Graduated Scale with 0.02in (0.5 mm) Increments, Length = 3.88in | 1 |
|  | Thorlabs | | purchase | UV Curing LED System | [CD20K2](https://www.thorlabs.com/thorproduct.cfm?partnumber=CS20K2) | CS20K2 - UV Curing LED System, 365 nm | 1 |
|  | Thorlabs | | purchase | Handheld laser source (630nm) | [HLS635](https://www.thorlabs.com/thorproduct.cfm?partnumber=HLS635) | HLS635 - Handheld Laser Source, 635 nm, FC/PC | 1 |
|  | Thorlabs | | purchase | Power and Energy meter | [PM100D](https://www.thorlabs.com/thorproduct.cfm?partnumber=PM100D) | PM100D - Compact Power and Energy Meter Console, Digital 4in LCD | 1 |
|  | Thorlabs | | purchase | Green LED  Fibre coupling assistance | [M530F2](https://www.thorlabs.com/thorproduct.cfm?partnumber=M530F2) | M530F2 - 530 nm, 6.8 mW (Min) Fiber-Coupled LED, 1000 mA, SMA | 1 |
|  | Thorlabs | | purchase | NIR Detector Card  Laser alignment | VRC4 | VRC4 - IR Detector Card, 790 - 840 nm, 870 - 1070 nm, 1500 - 1590 nm | 1 |
| **Core optics module** | | | | | | | | |
| **Mechanical components** | | | | | | | | |
|  | Thorlabs | | purchase | Nexus Breadboard | [B3045L](https://www.thorlabs.com/thorproduct.cfm?partnumber=B3045L) | A close-up of a computer keyboard  Description automatically generated with low confidence | 1 |
|  | Thorlabs | | purchase | Sorbothane Feet | [AV6/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=AV6/M) | A picture containing indoor, loudspeaker  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Fiber Adapter Plate | [SM1SMA](https://www.thorlabs.com/thorproduct.cfm?partnumber=SM1SMA#ad-image-0) | A picture containing wheel, disk brake, projector, gear  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Adjustable Mirror Mount | [POLARIS-K05S2](https://www.thorlabs.com/thorproduct.cfm?partnumber=POLARIS-K05S2) | A picture containing metalware  Description automatically generated | 2 |
|  | Thorlabs | | purchase | Rotation Mount | [MRM05/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=MRM05/M) | A picture containing electronics, camera lens  Description automatically generated | 1 |
|  | Thorlabs | | purchase | M6 cap screws kit | [HW-KIT2/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=HW-KIT2/M) | HW-KIT2/M - M6 Cap Screw and Hardware Kit | >20 |
|  | Thorlabs | | purchase | Ø900 µm Hytrel Furcation Tubing | FT900Y | image | 3 |
|  | Thorlabs | | purchase | 3 axis Microblock stage | [MBT616D/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=MBT616D#ad-image-0) | MBT616D - 3-Axis MicroBlock Compact Flexure Stage, Differential Micrometers, Imperial Taps | 1 |
|  | Thorlabs | | Purchase | 3-Axis MicroBlock Stage | [MBT602/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=MBT602/M#ad-image-0) | MBT602/M - 3-Axis MicroBlock Compact Flexure Stage, Fine Thread Thumbscrew Drives, Metric Taps | 1 |
|  | Thorlabs | | Purchase | Compatible Flexure Stage Mount | [HCS020](https://www.thorlabs.com/thorproduct.cfm?partnumber=HCS020) | HCS020 -  SM05-Compatible Flexure Stage Mount | 1 |
|  | Thorlabs | | Purchase | Fiber Clamp  Holds fiber | [HFF001](https://www.thorlabs.com/thorproduct.cfm?partnumber=HFF001) | Flexure Stage Accessories: Quick-Release, Adjustable Fiber Clamp | 3 |
|  | Thorlabs | | purchase | Fixed mounting bracket | [AMA007/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=AMA007/M) | AMA007/M - Short, Fixed Mounting Bracket, 26 mm Long, Metric | 1 |
|  | Thorlabs | | purchase | SM05 Threaded Adapter to laser source | [AD1109F](https://www.thorlabs.com/thorproduct.cfm?partnumber=AD1109F) | AD1109F - SM05-Threaded Adapter for M11 x 0.5 or M9 x 0.5 Threaded Components | 1 |
|  | Thorlabs | | purchase | Kinematic Cage cube | [DFM1T3](https://www.thorlabs.de/thorproduct.cfm?partnumber=DFM1T3) | A picture containing electronics  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Kinematic cage cube base | [DFM1B](https://www.thorlabs.com/thorproduct.cfm?partnumber=DFM1B/M) | A close-up of a camera  Description automatically generated with medium confidence | 1 |
|  | Thorlabs | | purchase | Lens Tube | [SM1L05](https://www.thorlabs.com/thorproduct.cfm?partnumber=SM1L05) | A picture containing projector  Description automatically generated | 3 |
|  | Thorlabs | | purchase | End Cap for Machining | [SM1CP2M](https://www.thorlabs.com/thorproduct.cfm?partnumber=SM1CP2M) | A picture containing electronics, loudspeaker  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Coupler | [SM1T2](https://www.thorlabs.com/thorproduct.cfm?partnumber=SM1T2) | A close-up of a speaker  Description automatically generated with medium confidence | 3 |
|  | Thorlabs | | purchase | Optical Beam shutter with controller for PMT | [SHB1](https://www.thorlabs.com/thorproduct.cfm?partnumber=SHB1#ad-image-0) | A picture containing icon  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Post mounting adapter | [SHM1/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=SHM1/M) | A picture containing loudspeaker, electronics  Description automatically generated | 1 |
|  | Kavli  NTNU | | Self-made | Coupling Box | Github(*1*) | A picture containing indoor, wall  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-made | Box cup | Github(*1*) | A picture containing hinge, metalware  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-made | Coupling holder | Github(*1*) |  | 1 |
|  | Kavli  NTNU | | Self-made | Coupling Protector | Github(*1*) | Icon  Description automatically generated | 1 |
|  | Kavli  NTNU | | Self-made | Collimator Assemble tool | Github(*1*) |  | 1 |
|  | Kavli NTNU | | Self-made | Collimator Holder | Github(*1*) |  | 1 |
|  | Kavli NTNU | | Self-Made | Control box shell | Github(*1*) | A picture containing indoor  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-Made | Control box cup | Github(*1*) |  | 1 |
| **Optical components** | | | | | | | | |
|  | Toptica | | purchase | Laser source | FemtoFiber ultra 920 | A picture containing indoor  Description automatically generated | 1 |
|  | Schott | | purchase | Tapered fiber bundle (TFB) | C54706 | NA | 1 |
|  | NKT Photonics | | purchase | Hollow-core PCF, HC-920 | [K50-060-00](https://www.nktphotonics.com/lasers-fibers/product/hollow-core-photonic-crystal-fibers/) | NA | 1 |
|  | Sunlight | | purchase | Glass rods  (ZF62) | GLA-10x150-AR800-1100 | NA | 3 |
|  | Sunlight | | purchase | Glass flange | TUB-1.8x6.5-0.127 | NA | 2 |
|  | Thorlabs | | purchase | Prisms  direct light from the seed laser up to the HC-920 fiber. | [MRA12-P01](https://www.thorlabs.com/thorproduct.cfm?partnumber=MRA12-P01) | A picture containing box  Description automatically generated | 8 |
|  | Thorlabs | | purchase | Emission filter 525 nm green channel | [MF525-39](https://www.thorlabs.com/thorproduct.cfm?partnumber=MF525-39) | A close-up of a logo  Description automatically generated with medium confidence | 1 |
|  | Thorlabs | | purchase | Emission filter 630 nm red channel | [MF630-69](https://www.thorlabs.com/thorproduct.cfm?partnumber=MF630-69) | A picture containing text, camera lens  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Shortpass Filter | [FESH0750](https://www.thorlabs.com/thorproduct.cfm?partnumber=FESH0750) | A picture containing text, camera lens  Description automatically generated | 2 |
|  | Thorlabs | | purchase | Dichroic Mirror | [DMLP567R](https://www.thorlabs.com/thorproduct.cfm?partnumber=DMLP567R) | Shape  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Aspheric Condenser Lens | [ACL25416U-A](https://www.thorlabs.com/thorproduct.cfm?partnumber=ACL25416U-A) | A picture containing tableware  Description automatically generated | 3 |
|  | Thorlabs | | purchase | Coupling lens | [C230TMD-B](https://www.thorlabs.com/thorproduct.cfm?partnumber=C230TMD-B) | A picture containing cup, tableware, dishware, camera lens  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Half-Wave Plate | [WPHSM05-915](https://www.thorlabs.com/thorproduct.cfm?partnumber=WPHSM05-915) | A picture containing text, electronics, camera lens, projector  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Protected Silver Mirrors | [PF05-03-P01](https://www.thorlabs.com/thorproduct.cfm?partnumber=PF05-03-P01) | PF05-03-P01 - Ø1/2in Protected Silver Mirror | 2 |
|  | Edmunds | | Purchase | Collimating Lens | [#84-128](https://www.edmundoptics.com/p/2mm-dia-x-4mm-fl-vis-nir-coated-achromatic-lens/27236/) |  | 1 |
| **Electrical components** | | | | | | | | |
|  | Mirrorcle Technologies | | Purchase | MEMS driver (controller) BDQ PicoAmp 5.4 B160 | [DR-11-054-00](https://www.mirrorcletech.com/wp/products/hardware/drivers/analog/) | A picture containing electronics, circuit  Description automatically generated | 1 |
|  | Digikey | | Purchase | BNC-SMA cables | [CCBNS-MM-RG174-36](https://www.digikey.no/product-detail/no/crystek-corporation/CCBNS-MM-RG174-36/744-1249-ND/1767703) | CCBNS-MM-RG174-36 Crystek Corporation | 744-1249-ND DigiKey Electronics | 8x1m |
|  | RS | | purchase | DSUB15 connector plug (male) | [472-859](https://no.rs-online.com/web/p/d-sub-connectors/0472859/) |  | 2 |
|  | RS | | purchase | Backshell | [765-9448](https://no.rs-online.com/web/p/d-sub-connectors/7659448) |  | 2 |
|  | RS | |  | DSUB15 Connector Socket (female) | [472-865](https://no.rs-online.com/web/p/d-sub-connectors/0472865/) |  | 2 |
|  | Digikey | | purchase | 6-pin connector for MEMS | [FH19C-6S-0.5SH(10)](https://www.digikey.no/product-detail/no/hirose-electric-co-ltd/FH19C-6S-0-5SH-10/H125824CT-ND/9360234) | FH19C-6S-0.5SH(10) Hirose Electric Co Ltd | H125824CT-ND DigiKey Electronics | 1 |
|  | Industrifil | | purchase | Single wire cables | [link](http://www.industrifil.com/insulated.html) |  | 6 |
|  | Thorlabs | | purchase | K-Cube Piezo Controller | [KPZ101](https://www.thorlabs.com/thorproduct.cfm?partnumber=KPZ101) | A picture containing electronics, projector  Description automatically generated | 1 |
|  | Thorlabs | | purchase | PMTs | [PMT2101/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=PMT2101/M) | A picture containing electronics, adapter  Description automatically generated | 2 |
|  | Thorlabs | | purchase | Controller for shutter | [SHB1T](https://www.thorlabs.com/thorproduct.cfm?partnumber=SHB1T#ad-image-0) | A picture containing projector  Description automatically generated | 1 |
| **Scope mounting module** | | | | | | | | |
| **Mechanical components** | | | | | | | | |
|  | Thorlabs | | Purchase | Aluminum optical breadboard | [B3060A](https://www.thorlabs.com/thorproduct.cfm?partnumber=B3060A) | A picture containing text, case  Description automatically generated | 1 |
|  | Thorlabs | | Purchase | Sorbothane Feet Ø45.0 mm, Internal M6 Mounting Thread, 4 Pieces to support previous breadboard. | [AV6/M](https://www.thorlabs.de/thorproduct.cfm?partnumber=AV6/M) | A picture containing indoor, loudspeaker  Description automatically generated | 1 |
|  | Thorlabs | | Purchase | One-sided Construction Rail, Clear Anodized, 95x500 mm | [XT95SP-500](https://www.thorlabs.com/thorProduct.cfm?partNumber=XT95SP-500) | A picture containing electronics  Description automatically generated | 2 |
|  | Thorlabs | | purchase | Rail carriage suitable for sliding onto previous rail and with M6 tapped holes | [XT95RC4/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=XT95RC4/M) |  | 2 |
|  | Thorlabs | | Purchase | Mounting Post Ø1.5" L=350mm | P350/M | Text  Description automatically generated with medium confidence | 1 |
|  | Thorlabs | | Purchase | Post Mounting Clamp | C1545/M |  | 1 |
|  | Thorlabs | | purchase | Manual Rotation Stage | RP03/M |  | 1 |
|  | Thorlabs | | Purchase | Studded Pedestal Base Adapter | BE1/M |  | 1 |
|  | Thorlabs | | purchase | Optical Post | TR75/M | Diagram  Description automatically generated | 2 |
|  | Thorlabs | | Modify from product | Running wheel hardboard | Github, [TB4](https://www.thorlabs.com/thorproduct.cfm?partnumber=TB4) | A machine on the counter  Description automatically generated with low confidence | 1/4 |
|  | Thorlabs | | purchase | M6 spacers & washers | NA | A picture containing metalware, gear, wheel  Description automatically generated | >4 |
|  | Thorlabs | | purchase | Spacer on both sides of wheel | [PS1M](https://www.thorlabs.com/thorproduct.cfm?partnumber=PS1M) |  | 2 |
|  | SKF | | purchase | Bearing OD 19mm ID 6mm | [626-2Z](https://no.rs-online.com/web/p/ball-bearings/2867849/) | A picture containing rectangle  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Right-angle Clamp | [RSA90/M](https://www.thorlabs.de/thorproduct.cfm?partnumber=RSA90/M) | A black video game controller  Description automatically generated | 1 |
|  | Thorlabs | | purchase | Pillar posts | [RS50/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=RS50/M) | A picture containing indoor  Description automatically generated | 2 |
|  | Thorlabs | | purchase | Universal Post holder | [UPH100/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=UPH100/M#ad-image-0) | Text  Description automatically generated | 3 |
|  | Thorlabs | | purchase | Locking Ball and Socket Mount; to support LEDs near Tracking Camera | [TRB1/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=TRB1/M) |  | 8 |
|  | Thorlabs | | purchase | Adapter camera-lens | [SM1A10Z](https://www.thorlabs.com/thorproduct.cfm?partnumber=SM1A10Z) | A picture containing electronics, camera lens  Description automatically generated | 2 |
|  | Kavli NTNU | | Self-made | MINI2P Holder P1 | Github(*1*) | Shape, arrow  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-made | MINI2P Holder P2 | Github(*1*) | A picture containing text, furniture, table  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-made | MINI2P Holder P3 | Github(*1*) | A picture containing text, metalware, hinge  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-made | MINI2P Holder P4 | Github(*1*) | A picture containing chart  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-made | Wheel Holder | Github | Icon  Description automatically generated | 1 |
|  | Kavli NTNU | | Self-made | Headbar holder | Github | A picture containing indoor  Description automatically generated | 1 |
| **Optical and electrical components** | | | | | | | | |
|  | Thorlabs | | purchase | 850nm IR LED Array Light Source | [LIU850A](https://www.thorlabs.com/thorproduct.cfm?partnumber=LIU850A) | A picture containing light  Description automatically generated | 1 |
|  | Thorlabs | | purchase | CMOS Sensor camera | [CS165MU/M](https://www.thorlabs.com/thorproduct.cfm?partnumber=CS165MU/M) | A picture containing electronics, loudspeaker  Description automatically generated | 1 |
|  | Edmund Optics | | purchase | Lens focal length 4.5mm  Or 8.5mm for lateral and frontal camera to control head fixation | [F1.3 f8.5 2/3”](https://www.thorlabs.com/thorproduct.cfm?partnumber=SM1A10Z) | A close-up of a camera  Description automatically generated | 1 |
|  | Edmund Optics | | purchase | Basler camera for Animal Tracking (top or bottom view) | [acA2040-90um](https://www.baslerweb.com/en/products/cameras/area-scan-cameras/ace/aca2040-90um/) | A picture containing electronics, projector  Description automatically generated | 1 |
|  | Physik Instrumente (PI) | | purchase | DC Motors | [M-112.2DG](https://www.physikinstrumente.com/en/products/linear-stages/stages-with-stepper-dc-brushless-dc-bldc-motors/m-110-m-111-m-112-compact-linear-stage-412418433/) | A picture containing indoor  Description automatically generated | 3 |
| **Mobile cart and controlling system** | | | | | | | | |
| **Mechanical and electrical components** | | | | | | | | |
|  | Thorlabs | | Purchase | Mobile Cart | [POC001](https://www.thorlabs.com/thorproduct.cfm?partnumber=POC001) | A picture containing graphical user interface  Description automatically generated | 1 |
|  | Thorlabs | | Purchase | Optical breadboard 600x900x55mm | [PBG52506](https://www.thorlabs.com/thorproduct.cfm?partnumber=PBG52506) | A picture containing text, electronics, case  Description automatically generated | 1 |
|  | Thorlabs | | Purchase | Optional drawer | [POD001](https://www.thorlabs.com/thorProduct.cfm?partNumber=POD001) | Graphical user interface  Description automatically generated with medium confidence | 1 |
|  | Schroff | | Purchase | 19-inch rack | [Ref 721-2708](https://no.rs-online.com/web/p/rackmount-cases/7212708/) | A picture containing text  Description automatically generated | 1 |
|  | McMASTER-CARR | | Purchase | Span-in Nuts | [90680A729](https://www.mcmaster.com/90680A729/) |  | 10 |
|  | Dell | | Purchase | Workstation is an Intel core i9 with operating windows 10 Pro | [7080](https://www.dell.com/en-us/work/shop/desktops-all-in-one-pcs/optiplex-7080-tower-and-small-form-factor/spd/optiplex-7080-desktop) | A picture containing electronics, loudspeaker  Description automatically generated | 1 |
|  | Dell | | Purchase | Monitors | NA | NA | 1 |
|  | Vidrio Technologies LLC | | Purchase | vDAQ card provides data acquisition and control of Laser, TLens, shutter, among others | [V-vDAQ.R1](https://vidriotechnologies.com/vdaq/) | A picture containing electronics  Description automatically generated | 1 |
|  | Vidrio Technologies LLC | | Purchase | vDAQ breadboard | [V-vDAQ.R1](https://vidriotechnologies.com/vdaq/) | A picture containing text, electronics  Description automatically generated | 1 |
|  | Physik Instrumente (PI) | | Purchase | Motion Controller for PI motors | [C-884.4DC](https://www.physikinstrumente.com/en/products/controllers-and-drivers/motion-controllers-drivers-for-linear-torque-stepper-dc-servo-motors/c-8844dc-c-8846dc-motion-controllers-for-dc-motors-900707/) | A picture containing electronics  Description automatically generated | 1 |
|  | Toptica | | Purchase | Controller for 920nm laser | [Toptica](https://www.toptica.com/products/psfs-fiber-lasers/femtofiber-ultra/femtofiber-ultra-920/) | A picture containing text, electronics  Description automatically generated | 1 |
|  | Dustin | | Purchase | USB-hub ports | [Deltaco](https://www.dustin.no/product/5010756784/usb-hub-7-ports-usb-30-black) |  | 1 |
|  | Thorlabs | | Purchase | BNC Male to BNC Male | [CA3136](https://www.thorlabs.de/NewGroupPage9_PF.cfm?ObjectGroup_ID=2887) | BNC to BNC Cord Ends | 8x1m |
|  | Thorlabs | | Purchase | BNC to SMA Male Connector | [CA2848](https://www.thorlabs.com/thorproduct.cfm?partnumber=CA2848) | CA2848 - SMA Coaxial Cable, SMA Male to BNC Male, 48in (1219 mm) | 2 |
|  | Thorlabs | | Purchase | SMC connector | [PAA101](https://www.thorlabs.com/thorproduct.cfm?partnumber=PAA101) | PAA101 - Drive Cable for Piezoelectric Actuators, SMC Connectors, 1.5 m Long | 2 |
|  | Thorlabs | | Purchase | SMA-to- SMA cable | [CA2912](https://www.thorlabs.com/thorproduct.cfm?partnumber=CA2948) | CA2948 - SMA Coaxial Cable, SMA Male to SMA Male, 48in (1219 mm) | 2 |
|  | Thorlabs | | Purchase | Power supply for Tlens driver | [TPS002](https://www.thorlabs.com/thorproduct.cfm?partnumber=TPS002) | TPS002 - ±15 V/5 V Power Supply Unit with Mini-DIN Connectors for up to Two K- or T-Cubes | 1 |
| **Software** | | | | | | | | |
|  | Vidrio Technologies LLC | | Purchase | Open-source software for the whole system | ScanImage [2020](http://scanimage.vidriotechnologies.com/display/SIH/ScanImage+Home) | NA | 1 |
|  | Others | | Free or purchase | See Document S4 | NA | NA | 1 |
| **MINI2P miniscope** | | | | | | | | |
| **Mechanical components** | | | | | | | | |
|  | Kavli NTNU | | Self-made | Scope Body P1 | GitHub |  | 1 |
|  | Kavli NTNU | | Self-made | Scope Body P2 | GitHub |  | 1 |
|  | Kavli NTNU | | Self-made | Scope Body P3 | GitHub |  | 1 |
|  | Kavli NTNU | | Self-made | Stitching Adapter | GitHub |  |  |
|  | Kavli NTNU | | Self-made | Baseplate | GitHub |  | 10 |
|  | Kavli NTNU | | Self-made | Alignment Tool | GitHub | A picture containing icon  Description automatically generated | 1 |
|  | TR fastenings | | Purchase | Screws for MINI2P,  M1.4;  M1.6;  M2.0; | NA |  | >10 |
| **Optical components** | | | | | | | | |
|  | Domilight | | Purchase | Scan Lens | D0166 |  |  |
|  | Sunlight | | Purchase | Dichroic Mirror | DMSP0405 |  |  |
|  | Domilight | | Purchase | Objective1 | D0213-3X |  | 1 |
|  | Domilight | | Purchase | Objective2 | D0254-3X |  | 1 |
|  | Domilight | | Purchase | Objective3 | D0277-3X |  | 1 |
|  | Polight | | Purchase | μTLENS | TLENS-NIR-D-45 |  | 1 |
| **Electrical components** | | | | | | | | |
|  | Mirrorcle | | Purchase | MEMS “fast” 5600 Hz | Fast - A7M10.2-1000AL | A picture containing text, indoor  Description automatically generated | 1 |
|  | Mirrorcle | | Purchase | MEMS “slow” 2000 Hz | A3I12.2-1200AL-LCC20-TW |  | 1 |
|  | Kavli  NTNU | | Purchase | MEMS PCB |  |  | 1 |