

## Product Parts list

# CVUTSeek



**FAKULTA  
ELEKTROTECHNICKÁ  
ČVUT V PRAZE**

## Electrical Components

Part	Number of pieces	URL
SeekThermal S319SPX	1	<a href="#">SeekThermal or Arrow</a>
RPi 4	1	<a href="#">Amazon</a>
RPi 4 heatsink	1	<a href="#">Amazon</a>
4.3 inch screen	1	<a href="#">Amazon</a>
μSD to μSD extender [25 cm]	1	<a href="#">AliExpress</a>
DSI extention cable [15 cm]	1	<a href="#">Amazon</a>
Momentary switch	1	<a href="#">AliExpress</a>
Sacrificial micro-USB cable	1	
USB-C capable power adapter	1	
Reference thermocouple board (optional) <sup>1</sup>	1	
8 pin female to female cable (optional) <sup>1</sup>	1	

<sup>1</sup> Only if you decide to use my thermocouple board.

## Mechanical Components

Part	Number of pieces	URL
Stand Base	1	<a href="#">AliExpress</a>
25 mm Stand Arm	1	<a href="#">AliExpress</a>
25 mm id <sup>1</sup> Microscope Arm Holder	1	<a href="#">AliExpress</a> !no longer available! alternative <a href="#">AliExpress</a> <sup>2</sup> or try luck w/ <a href="#">Amazon</a>
25mm Bar Bracket Support	1	<a href="#">AliExpress</a>
ZnSe Focus lens	1	<a href="#">AliExpress</a>
Focus lens holder	1	<a href="#">Printables</a>
Stand attachment	1	
Screen holder	1	
RPi Case	1	
Screen infill	1	
Camera Module Top Shell	1	
Camera Module Bottom Shell	1	
Optic tunnel	1	
Front cover (tunnel/full)	(1/1)	
Back cover	1	
Door	1	
Magnetic PCB holder (optional)	1	
5 mm x 5 mm neodymium magnet (optional) <sup>3</sup>	6	
20 cm x 19 cm steel plate (optional) <sup>4</sup>	1	

<sup>1</sup> id - inner diameter.

<sup>2</sup> Need to model an attachment adapter.

<sup>3</sup> Only if you decide to use my PCB holder pegs.

<sup>4</sup> Needs modification to fit nicely to the stand base.

## Consumables

Part	Number of pieces
M3x8	4
M3x12	5
M3x20	6
M3 washer	9
M3 nut (optional) <sup>1</sup>	3
M3 heatinsert d4.5 mm	2
M3 heatinsert d5 mm	8
M4 screw <sup>2</sup>	2
M2.5x16	2
M2.5x20	6
M2.5 nut	8
66 mm of 1.75 mm thick filament (or equivalent)	1

<sup>1</sup> Only if you decide to use my thermocouple board.

<sup>2</sup> For fastening steel plate to the stand base.