

**Appendix. A Components list. Prices as of 2020 - 2021 at South Korea.**

**Table A1) Components list**

<b>Component</b>	<b>Item</b>	<b>Company</b>	<b>Q'ty</b>	<b>Unit price (USD)</b>
<i>Photodiode</i>	S2386-18K	Hamamatsu Photonics	1	\$ 1.88
<i>Photosensor amplifier</i>	C9329	Hamamatsu Photonics	1	\$ 1298
<i>Diffuser</i>	White diffusing glass	Edmund Optics	1	\$ 43.5
<i>Collimating lens</i>	LA1540-ML	Thorlabs	1	\$ 38.55
<i>Ultra-narrow bandpass filter for 757 nm</i>	757.9-1 OD4	Alluxa	1	\$ 1160.7
<i>Ultra-narrow bandpass filter for 761 nm</i>	760.7-1 OD4	Alluxa	1	\$ 910
<i>Bandpass filter for 761 nm</i>	745BP70	Omega Optical	1	\$ 409.67
<i>Ultra-narrow bandpass filter for 770 nm</i>	770NB	Omega Optical	1	\$ 329
<i>Geared motor</i>	GGM DC 12V 3000rpm	GGM	1	\$ 49.16
<i>Servomotor</i>	PDI-6225MG-300	JX	1	\$ 2.46
<i>Microcomputer</i>	Raspberry Pi b3 module	Raspberry Pi foundation	1	\$ 41
<i>Temperature and humidity sensor</i>	DHT22	Adafruit	1	\$ 0.33
<i>Fan</i>	DC brushless	Jameco electronics	2	\$ 21.6
<i>Micro SD card 16GB</i>	SD card	Samsung	1	\$ 17.2
<i>For 3D Structure</i>	PET material	-	1	\$ 20.5
<i>Sum</i>				<b>\$ 4343.55</b>