

Class	1MCT2
First Name:	Maarten
Name	Vangheluwe
Project Name :	<u>Langer voor eigen spiegel !</u>
Assembly Revision :	_____
Approval Date :	_____
Part Count :	<u>17</u>
Total Cost :	<u>€163</u>

Part #	Part Name	Description	Revision	Qty
1	Raspberry Pi 4 Model B 2GB	to control the whole prototype		1
2	Philips tv screen	to display the information on the mirror		1
3	ds18b20 temperature sensor (one wire)	to measure ambient temperature		1
4	Remote + IR receiver sensor	to navigate on the mirror + to 'see' the input of the remote		1
5	RFID reader + id-card and tag	to register different profiles on the mirror		1
6	5V relais module	to control the warning light		1
7	Button	to turn mirror on and off		1
8	warning light	to alert the people in the area there is something wrong		1
9	raspberry pi power adapter	to power raspberry pi		1
10	HDMI-to-microHDMI cable	to connect raspberry pi with tv-screen		1

11	micro sd-card 16gb	to make the raspberry pi operate a OS	1
12	batteries	to power warning light	2
13	battery snap	to connect batteries / power warning light	2
14	plexiglass	glass for the mirror	1
15	sun protection window film	to create a mirror effect and also translucent to see the display text	1
16	wires	to connect electronics with the raspberry pi	
17	wood	to make a frame for the mirror	1
	Total		18

Picture of Assembly



Supplier	also available from	Units
https://www.sossolutions.nl/raspberry-pi-4-model-b-2gb		1
every material: can be replaced by a other tv screen or moi	/	1
https://www.hobbyelectronica.nl/product/ds18b20/		1
-ir-remote-p282671.html?PROVID=2812&gclid=EAlaIqobChMI7MPoxtjM_QIVw-F3Ch1x8A7		1
l-rfid-fu.html?source=googlebase&gclid=EAlaIqobChMIq4bwudbM_QIVxuF3Ch1Y\		1
ts-tc-9927156-relaismodule-relais-module-geschikt-voor-serie-arduino-1-stuk-s-248		1
.digkey.be/nl/products/detail/nkk-switches/BB15AH-FA/1056170		1
x-9-5-x-10-8-cm-auto-waarschuwingslicht-zwaailicht/9300000049941925/?bltgh=ii7(1
6 Development Tools Whoop- -(BE:Whoop!)+Raspberry+Pi+Power+Supplies- -1		1
(BE:Whoop!)+HDMI+Cables- -1863031&matchtype=&aud-827186183686:pla-2999		1

[o-sd-kaart-16-gb-allteq.html?gclid=EAlaIQobChMIg--ZgOPM_QIV4YBQBh0GVwUI](#) 1

[a-longlife-power-9v-bli-1-9v-batterij-blok-alkaline-580-mah-9-v-1-stuk-s-650859.htm](#) 2

[=1&gclid=CjwKCAjw4ZWkBhA4EiwAVJXwqeK536ohAH9c4EpLr4-yMgRlrQwqFDB](#) 2

[/assortiment/iso-de-luxe-eps-polystreenplaat-100x5](#) in de Verthus 1

[300000094865663/?Referrer=ADVNLGOO002035-](#) Stock Vermeersch 1

[recovery material](#) 1

Unit Cost	Max Cost	Real Cost
€ 59.95	€ 59.95	
€ 0.00	€ -	
€ 4.45	€ 4.45	
€ 2.85	€ 2.85	
€ 4.49	€ 4.49	
€ 5.49	€ 5.49	
€ 5.25	€ 5.25	
€ 17.98	€ 17.98	
€ 9.29	€ 9.29	
€ 5.56	€ 5.56	

€ 6.99	€ 6.99
€ 6.95	€ 6.95
€ 0.76	€ 1.52
€ 17.99	€ 17.99
€ 13.99	€ 13.99
	€ 162.75