

Class	1MCT2
First Name:	Femke
Name	Neirinck
Project Name :	Smart Mirror
Assembly Revision :	
Approval Date :	
Part Count :	18
Total Cost :	€255

Part #	Part Name	Description	Revision	Qty
1	Breadboard	To put every electronic part on	1	1
2	Raspberry Pi 3	The computer behind the smart mirror	1	1
3	T-Cobbler	To connect the breadboard with the Raspberry Pi	1	1
4	Power Supply	To give power to the Raspberry Pi	1	1
5	SD Card	To give the Raspberry Pi some memory	1	1
6	Computer screen	Monitor to put behind the mirror	1	1
7	HDMI Cable	To connect the monitor and the Raspberry Pi	1	1
8	Male-to-male jumper wires	To connect every element on the breadboard with the Raspberry Pi	20	1
9	Infra red motion sensor	To see if someone is standing in front of the mirror	1	1

10	humidity sensor	To measure the humidity inside the room	1	1
11	temperature sensor	To measure the temperature inside the room	1	1
12	ledstrip	To put some color on the back of the case	1	1
13	Wood	For the framework	4	4
14	Plexiglas	To put in front of the monitor	1	1
15	window foil	Sort of sticker to put on the glas to make the screen look like a mirror	1	1
Total			18	

Picture of Assembly

(picture can only be added with END delivery of pro

Supplier	also available from	Units	Unit Cost
		1	\$ 9,50
https://www.123-3d.nl/123-3D-Breadboard-	https://www.grandado.com/pro	1	\$ 48,34
https://www.antratek.be/raspberry-pi-3-mo	https://www.sossolutions.nl/ras	1	\$ 3,66
https://www.reichelt.com/be/nl/raspberry-pi	https://www.kiwi-electronics.nl/	1	\$ 8,69
https://www.reichelt.com/be/nl/raspberry-pi	https://www.sossolutions.nl/ori	1	\$ 5,94
https://www.reichelt.com/be/nl/sdhc-kaart-	https://www.dataio.nl/sandisk-	1	\$ 99,99
https://www.mediamarkt.be/nl/product/_len	https://www.vandenborre.be/cc	1	\$ 3,97
https://www.reichelt.com/be/nl/high-speed-	https://www.allekabels.be/hdm	40	\$ 3,60
https://www.123-3d.nl/123-3D-Jumper-kab	https://nl.banggood.com/40pcs	1	\$ 2,54
https://www.reichelt.com/be/nl/raspberry-pi	https://www.reichelt.com/be/nl/		

1 \$ 3,61

<https://www.reichelt.com/be/nl/ontwikkelaar> <https://www.reichelt.com/be/nl/>

1 \$ 3,90

<https://www.digikey.be/product-detail/en/m> <https://www.banggood.com/nl/>

1 \$ 15,22

<https://www.lightinthebox.com/nl/p/2-5m-10> <https://www.lightinthebox.com/>

4 \$ 5,79

<https://www.brico.be/nl/bouwmaterialen/ho> <https://www.makroshop.be/nl/t>

1 \$ 17,70

<https://plexiglas.nl/plexiglas-helder-2-mm> <https://kunststofplaten.be/prod>

1 \$ 4,99

<https://www.tafelzeilonline.com/zonwerend> <https://www.grandado.com/pro>

object!)

Max Cost	Real Cost
€ 9,50	
€ 48,34	
€ 3,66	
€ 8,69	
€ 5,94	
€ 99,99	€ 116,95
€ 3,97	
€ 3,60	
€ 2,54	€ 10,94

€ 3,61

€ 3,90

€ 15,22 € 28,90

€ 23,16

€ 17,70 € 12,19

€ 4,99 € 21,99

€ 254,81 € 190,97