

Class	1CTAI2
First Name:	Carl
Name	Carl Jonsson
Project Name :	HockeyVision
Assembly Revision :	3
Approval Date :	05-Jun-26
Part Count :	14
Total Cost :	€783

Part #	Part Name	Description	Revision	Qty
1	Raspberry Pi 5 - 8 GB	Raspberry Pi which recieve information and send status forward	1	1
2	SD Memory Card 32 GB	SD Card for the Raspberry Pi	1	1
3	LCD Display	Used do show the user necessary information	3	1
4	Philips powerbank 10000mAh	Used to give power to the Raspberry Pi	3	1
5	RGB LED indicator	Used to show different system states for the user	3	1
6	Sony alpha a5100	Used to capture the shots	2	1
7	RFID reader	Used for player identification	3	1
8	Velbon EX-230 II camera stand	Used to hold the camera in place	3	1
9	Micro-HDMI --> HDMI High speed cable 3m	Used to connect the camera to the laptop	3	1
10	Guermok cature card 4k USB3.0	Used to collect the camera feed on the laptop	3	1

11	USB-C -->USB-C cable	Used to connect the Pi to the powerbank	3	1
12	Samsung 128GB PRO Plus SD memory card	Used in the camera for data collection	3	1
13	Female Jumper Cables	Used to connect the hardware to the Pi	3	1
14	Enclosure plastic box	Used as housing for the Pi and hardware	3	1
Total			14	14

Picture of Assembly



(picture can only be added with END delivery of project!)

Supplier	also available from	Units	Unit Cost
https://www.amazon.com.be/-/en/Raspberry-Pi-SC1112-5-8Gb/dp/B0CK2FCG1K/ref=sr_1_1?crd=1TH32C39KH7C7&dib=ev_l2licMS_l0_ntP7	https://raspberrypi.dk/en/product/raspberry-pi-5-8-gb/?_gl=1*eo18w1*_up*MQ..*_as*MQ_&adid=Ci0KCOiwar	1	\$ 135,72
https://www.mediamarkt.be/nl/product/andisk-geheugenkaart-microsdhc-ultra-32-gb-186503-1010280.html?utm_source=google&utm	https://www.amazon.com.be/-/en/SanDisk-Ultra-microSDHC-120MB-Class/dp/B0815HM1VM/ref=	1	\$ 10,20
https://www.amazon.com.be/-/en/Freenove-Display-Compatible-Arduino-Raspberry/dp/B0B76YGDV4/ref=sr_1_52	https://store.freenove.com/products/fnk0079?srltid=AfmB0oqvQxPMkoZmNQvx1PH25EmmQY8wef8nX1Wbs17kV	1	\$ 8,95
https://www.action.com/nl-be/p/3213027/philips-powerbank/	https://www.bol.com/be/nl/p/philips-powerbank-10-000-mah-snelladen-3-poorten-compact-krachtig-	1	\$ 9,95
https://www.amazon.com.be/-/en/FZ0455-KY-016-Colors-Sensor-Starter/dp/B0FNXB2PPL/ref=sr_1_4?crd=WM90IUJ9DUDP&dib=ev_l2licMS_l0_P	https://www.amazon.com.be/-/en/dp/B0GXZX73Z1/ref=sr_1_3?crd=WM90IUJ9DUDP&dib=ev_l2licMS_l0_P0b171L	1	\$ 5,60
https://www.backmarket.nl/nl-nl/p/alpha-5100-zwart-sony-e-pz-16-50mm-f35-56-oss-f35-56/42d25141-dc48-4d5d-baa1-10986e29941a?srsltid=AfmBOorD_LrotD	https://www.backmarket.be/fr-be/p/autre-alpha-5100-blanc/bbd6de75-1d0b-4405-	1	\$ 487,12
https://www.amazon.com.be/-/en/AptoFun-Reader-Module-Arduino-Raspberry/dp/B0115DH69Q/ref=sr_1_3?adepid=146044600487&dib=ev_l2licMS_l0	https://www.amazon.com.be/-/en/ALLNET-Arduino-RC522-RFID-Module/dp/B00KG32VVE/ref=	1	\$ 8,88
https://www.kjell.com/se/produkter/ljud-bild/foto-video/kamerastativ-och-fasten/velbon-ex-230ii-med-mobilhallare-n57823	https://www.amazon.com.be/-/en/Velbon-EX-230II-Tripod-Smartphone-Holder/dp/B0BYM551BH/ref=	1	\$ 45,85
https://www.kjell.com/se/produkter/dator/kablar-adaptrar/hdmi/micro-hdmi/micro-hdmi-kabel-high-speed-3-m-p57781	https://www.amazon.com.be/-/en/Cratree-Micro-Ethernet-Compatible-Cameras/dp/B0CY8Y7YGG/r	1	\$ 18,37
https://www.amazon.com.be/Capture-Adapter-Streaming-Compatible-Windows/dp/B08Z3XDYQ7/ref=sr_1_1_spa?crd=2FRI1HE0P58VYG&dib=ev_l2lic	https://www.amazon.com.be/Guermok-Capture-240fps-Streaming-Windows/dp/B0FHIT12QS/re	1	\$ 19,99

	Max Cost	Real Cost
€	135,72	
€	10,20	
€	8,95	
€	9,95	
€	5,60	
€	487,12	
€	8,88	
€	45,85	
€	18,37	
€	19,99	

€	1,59
€	17,90
€	4,99
€	8,09
€	783,20