

Class 1CTAI
 First Name: Joran
 Name Planckaert
 Project Name : Crate-Scan Pro: The Surface Inspector
 Assembly Revision : 2
 Approval Date :
 Part Count : 23
 Total Cost : €280



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

Part #	Part Name	Description	Revision	Qty	Supplier	also available from	Units	Unit Cost	Max Cost	Real Cost
1	raspberry pi 5 kit	raspberry pi + power supply	1	1	https://www.raspberrystore.nl/PrestaShop/nl/raspberry-pi-5/13-raspberry-pi-5-8gb-starter-pack-2023-8718734751687.html	https://www.raspberrystore.nl/PrestaShop/nl/raspberry-pi-5/13-raspberry-pi-5-8gb-starter-pack-2023-8718734751687.html	1	\$ 99,99	€ 99,99	
2	Multiplex 4mm /600x450	Multiplex Plates	2	5	https://www.howest.be/nl/campussen/kortrijk/kortrijk-weide/industrial-design-center	https://www.brico.be/nl/hout-ramen-trappen-deuren/hout/houten-platen/multiplex/wd0069/	1	3,9	€ 19,50	
3	Jumper Wire Jumper Cable F2M	Jumper wire jumper cable connectors female/male. A set of jumper cables with connectors for plug-	2	1	https://www.amazon.com.be/dp/B07K8PVKBP?ref=ppx_yo2ov_dt_b_fed_asin_title	https://www.amazon.com.be/dp/B07K8PVKBP?ref=ppx_yo2ov_dt_b_fed_asin_title	40	\$ 4,99	€ 4,99	
4	Round Start Button	Round Start Button,Momentary Push Button	2	1	https://www.amazon.com.be/dp/B0D5D7233Z?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B0D5D7233Z?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	2	\$ 7,59	€ 7,59	
5	DC 12V Reduction Motor	DC 12V Reduction Motor Gear High Torque Turbine	2	1	https://www.amazon.com.be/dp/B0755DGWS8?ref=ppx_yo2ov_dt_b_fed_asin_title	https://www.amazon.com.be/dp/B0755DGWS8?ref=ppx_yo2ov_dt_b_fed_asin_title	1	\$ 9,81	€ 9,81	
6	120° Wide Angle Camera Module	Keenon OV2643 USB HD Mini Card 2MP 120° Wide Angle Camera Module with OV2643	2	1	https://www.amazon.com.be/dp/B07QGZCF8N?ref=ppx_yo2ov_dt_b_fed_asin_title	https://www.raspberrystore.nl/PrestaShop/nl/camera/474-raspberry-pi-camera-v3-wide-angle-lens-5056561800363.html	1	\$ 20,67	€ 20,67	
7	AC Adapter 12V 2A 24W + jacket	AC Adapter 12V 2A 24W Universal Power Adapter 220V-240V 50/60Hz	2	1	https://www.amazon.com.be/dp/B0FWBZBDGH?ref=ppx_yo2ov_dt_b_fed_asin_title	https://www.amazon.com.be/dp/B0FWBZBDGH?ref=ppx_yo2ov_dt_b_fed_asin_title	1	\$ 7,99	€ 7,99	
8	MMOBIEEL 3pcs PCB Breadboard Prototype	MMOBIEEL 3pcs PCB Breadboard Prototype PCB Seamless Circuit Board - 3x400 Points -	2	1	https://www.amazon.com.be/dp/B0CPJNFYDL?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B0CPJNFYDL?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	3	\$ 8,29	€ 8,29	
9	M2.5 Male and Female Nylon Nut Assortment	Ewwitrey 335pcs M2.5 Male and Female Nylon Nut Assortment Spacer Washer Assortment for	2	1	https://www.amazon.com.be/dp/B0DCS5C7SN?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B0DCS5C7SN?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	1	\$ 8,59	€ 8,59	
10	LED Strip 0.5 m	Lumonic LED Strip 0.5 m White 6000 K 12 V IP65 30 LEDs/m SMD2835	2	2	https://www.amazon.com.be/dp/B0151M9IZO?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B0151M9IZO?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	1	\$ 6,45	€ 12,90	
11	DC Motor Controller Board	zalati L298N Dual H Bridge DC Motor Controller Board Stepper Motor Driver Module Arduino Compatible	2	1	https://www.amazon.com.be/dp/B0CNT6KKZ6?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B0CNT6KKZ6?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	1	\$ 5,99	€ 5,99	
12	5 inch TFT LCD Display	IBest 5 inch TFT LCD Display B 800 x 480 Raspberry Pi Resistive Touch Screen HDMI Monitor for BB Black	2	1	https://www.amazon.com.be/dp/B07PG8XY3Y?ref=ppx_yo2ov_dt_b_fed_asin_title	https://www.waveshare.com/5inch-hdmi-lcd-b.htm?srsltid=AfmBOopeWxry_1t9DbmSSv6GJNGrc9MYHIGLDZ-wa5_iAUI0LoiseuE7	1	\$ 46,90	€ 46,90	
13	HC-SR04	Ultrasonic ranging module	2	1	https://www.amazon.com.be/dp/B078HV79XX?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B078HV79XX?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	1	\$ 6,28	€ 6,28	
14	RGB Led module	RGB Led module	2	1	https://www.amazon.com.be/dp/B078HV79XX?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B078HV79XX?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	1	\$ 1,25	€ 1,25	
15	Prototypeboard (If projectboard does not work)	AZDelivery PCB Board, 16 PCB Board, Arduino Compatible Circuit Board	2	1	https://www.amazon.com.be/dp/B078HV79XX?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	https://www.amazon.com.be/dp/B078HV79XX?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	1	\$ 7,45	€ 7,45	
16	Buzzermodule	DollaTek 5 x Active Buzzer Module for Arduino	2	1	https://www.amazon.com.be/dp/B07DK6L5KD?ref=ppx_yo2ov_dt_b_fed_asin_title	https://www.amazon.com.be/dp/B07DK6L5KD?ref=ppx_yo2ov_dt_b_fed_asin_title	1	\$ 6,99	€ 6,99	
17	HC-SR04 bracket 3D printed	HC-SR04 Casing + Angle Adjustable Cradle	2	1	https://www.thingiverse.com/thing:1799012	https://www.printables.com/model/190836-hc-sr04-casing-angle-adjustable-cradle	1	\$ 1,80	€ 1,80	
18	Rubber feets	Adam Hall Hardware 4904 M4 AH - Pack of 4 Rubber Feet 25 x 15 mm in Bag	2	1	https://www.amazon.com.be/-/en/dp/B00SJFDKDW?smid=A3Q3FYJX702M2&ref_=chk_typ_imgToDp&th=NBD_Shopping_Trade-Brand_invisibles&utm_id=23431689268&qad_source=1&qad_campaignid=23431689268&qad_braid=0AAAAA_IFI	https://www.amazon.com.be/-/en/dp/B00SJFDKDW?smid=A3Q3FYJX702M2&ref_=chk_typ_imgToDp&th=NBD_Shopping_Trade-Brand_invisibles&utm_id=23431689268&qad_source=1&qad_campaignid=23431689268&qad_braid=0AAAAA_IFI	4	\$ 2,99	€ 2,99	
Total				23					€ 279,97	