	Bought?	Date of order	Component reference		platforms where we bought	Price	Weight (g)	Ampere consumption (mA)	Input Voltage (V)	Power(mW)	Component reference	Price	Caption :
Camera System			**Inside CanSat**							3462	Alternative		*from the cansat kit
SD card for camera	v	19/02/2024	MicroSD Card		amazon.be	11,92 €	3,5 \			1250			*approximation
SD card slot for camera	v	02/02/2024	dvr runcam		droneshop.nl	21,95 €	3,5 250 max	5	1250			*bought
Camera	v	14/02/2024	Foxeer razer macro		droneshop.nl	18,95 €	3,9 140	4,5-17	700	t-rex foxeer	49,95 €	*not chosen
Video transmitter (VTX)	v	02/02/2024	TBS unify pro 32 HV		droneshop.nl	49,00 €	9 210	6-36	1512	Rush tank ultimate	34,95 €	*checked
Antenna for VTX	v	02/02/2024	TBS Triumph pro antenna		droneshop.nl	19,95 €	2,5 \	\	\	lollipop antenna	4,10 €	*secondhand/gift
Transistor (electronic switch)	v	08/02/2024	BTS3142 GAZ706 (only one)			0,24 €	1 \	\	\			
Sensors System										869			
Regulator 5V	v	19/02/2024	DC 5V-40V to 5V		amazon.be	6,99 €	1,3 1,5	5-40	10,8			
Antenna for TX	v	19/02/2024	Wire-Antenna			\	\	\	\	\	90° SMA Antenna	13,49 €	
Light sensor	v	05/02/2024	Adafruit TSL2591	I2C	adafruit	$6,95	1,1					
Gyroscope	v	05/02/2024	Adafruit 9-DOF Absolute Orientation	I2C	adafruit	$29,95	18,14 0,001-0,023	3-5	0,0759	Adafruit LSM6DSOX 6	$11,95	
GPS	v	05/02/2024	Adafruit ultimate gps	UART	adafruit	$29,95	8,5 30	5	150			
Buzzer	v	05/02/2024	Small Enclosed Piezo w/Wires		adafruit	$0,95	3 3	3	9	https://www.amazon.co	4,53 €	10mA
SD card Board	v	05/02/2024	Adafruit Micro SD Card Breakout board	SPI	adafruit	$7,50				https://www.adafruit.com/product/4682		
SD card	v	05/02/2024	Adafruit Micro SD 512MB		adafruit	$4,95						
All in one sensor	v	22/12/2023	BME680 Adafruit	SPI/I2C	mchobby	$18,95	1,3 0,0021-12	1.71-3.6	39,6		26,23 €	
Proto board	v	22/11/2023	cansat proto board			\	\	11 \	1.8–5.5	\		-	
Development board	v	22/11/2023	cansat pico board			\	\	11 \	1.8–5.5	\		-	
Micro controller	v	22/11/2023	raspberry pi pico	2SPI + 2 UART + 2 I2C		\	\	3 50	3.3	165		-	
Radio transmitter (TX)	v	22/11/2023	RFM96W LoRa radio	SPI	adafruit	$ 20,00	3,4 50-150	3-5	495	Breakout RFM69HCW	\	
Others													
Switch	v	05/02/2024	Power control push-button with FET		adafruit	$5,95	2.6 3A output	3-14			23,59 €	
Battery #1	v	22/11/2023	liion3,6			\	\	23 max 1,2A output	7,2		23,59 €	
Battery #2	v	22/11/2023	liion3,6			9,95 €	23 max 1,2A output			23,59 €	
Electrical Wires	v	22/11/2023	\			\	\	20 \	\			
3D printing	v	\	\			\	7,00 €	20 \	\			
Metal rods	v		\			\	3,00 €	10 \	\			
Helical Antenna			**Outside CanSat**										
Coax cable with SMA connector	v	01/01/2024	Câble d'extension d'antenne		aliexpress	1,42 € \	\	\		TUOLNK 2 Pack 6inch SMA	7,99 €	
Copper plate	v	01/01/2024	H62 Plaque de cuivre		aliexpress	6,52 € \	\	\		Copperlab 2-5/8 Inch Roun	14,99 €	
Copper wire	v	01/01/2024	Bobine de cuivre pur T2 100%		aliexpress	4,53 € \	\	\		Copper Wire 99.95% Pure	9,98 €	
Video receiver (VRX)	v	01/01/2024	Eachine ROTG02		aliexpress	28,29 € \	\	\		Eachine ROTG01	19,67 €	
Yagi Antenna													
Aluminum rods	v		\			\	8,00 €					
Copper	v		\		local shop	2,00 € \	\	\			
Cable	v	19/02/2024	RG174 Coax Cable SMA		amazon.be	8,92 € \	\	\			
Wood	v		\			\	5,00 € \	\	\			
Radio receiver (RX)	v	22/11/2023	RFM96W LoRa radio		adafruit	$ 20,00	3,4 50-150	3-5	495	Breakout RFM69HCW	\	
Antenna connector for RX	v	05/02/2024	SMA edge-mount connector		adafruit	$2,50	1,5 \	\	\	\	
Parachute													
Fabric	v		\			\	10,00 € \	\	\			
String	v		\			\	3,00 € \	\	\			
Others													
Battery charger	v	22/11/2023	PowerBoost 1000 Chargeur - SparkFun			\	\	6		PowerBoost 1000 Charg	-	

Sub-total

226,63 € 181,1 max 600mA

$147,65 max 2nd system 242,023 mA

Total (22/04/24 dollar value)

365,42 €