

6DOF Smart robo V1.0

Robot arm

	Quant.	Price tag	Total				
Art1	1	\$132,00	\$132,00	DSR-201	ROBOTSHOP	servo	
	1	€66,20	€66,20	VERT-X16	DISTRELEC	angle rotary sensor (only needed if you want 360°) otherwise 220°	
	1	€15,70	€15,70	Bearing 70mm	CONRAD	Bearing	
	2	€12,60	€25,20	Buttons with led	DISTRELEC	Button switch puls with buildin led 12V	
	1	€3,55	€3,55	DB15 female	CONRAD	DB15 female chasis	
	1	€6,20	€6,20	Fan 5V	CONRAD	Fan silent	
	1	\$5,00	\$5,00	PCB with 3 connectors (selfmade)	DIGIKEY	3 connector 4p JST connector male chasis	
	1	\$35,00	\$35,00	Slip ring 24 wires 2A	EBAY		
	Art2	2	\$39,50	\$79,00	DRS-101	ROBOTSHOP	
	Art3	2	\$39,50	\$79,00	DRS-101	ROBOTSHOP	
Art4	1	\$39,50	\$39,50	DRS-101	ROBOTSHOP		
Art5	2	\$39,50	\$79,00	DRS-101	ROBOTSHOP		
Art6	1	\$39,50	\$39,50	DRS-101	ROBOTSHOP		
Gripper	1	€16,99	€16,99	Modelcraft mini servo	CONRAD		
	1	\$7,50	\$7,50	Neopixel ring 12 Leds	ADAFRUIT		
	1	\$12,00	\$12,00	Cable servo 200mm 8pk	ROBOTSHOP		
Structure	1	€35,95	€35,95	spool Colorfabb nGen light gray	OMD3D		
	1	€35,95	€35,95	spool Colorfabb nGen blue	OMD3D		
	1	€10,00	€10,00	Set screws,bolts and nuts			
Sub			\$713,24				

Controller

	1	€68,00	€68,00	Power supply 7,5VDC 10A	CONRAD	
	1	€6,80	€6,80	Stepdown to 5VDC 1A	CONRAD	
	1	€41,90	€41,90	Arduino due board	CONRAD	
	1	€25,99	€25,99	Arduino ethernet shield 2	CONRAD	
	1	€7,10	€7,10	Relais board 5V	CONRAD	
	1	€20,88	€20,88	Bluetooth PS4 module	HOBBYTRONICS	If you want to move with playstation joystick
	1	€12,60	€12,60	Button with led	DISTRELEC	
	1	€6,20	€6,20	Fan 5V	CONRAD	
	1	€2,50	€2,50	Power cable with connector	CONRAD	
	1	€14,20	€14,20	Oled display 128x64	ADAFRUIT	
	1	€3,55	€3,55	DB15 Male chasis	CONRAD	
Structure	1	€35,95	€35,95	spool Colorfabb nGen gray	OMD3D	
	1			spool Colorfabb nGen blue	OMD3D	(spare from robot)
	1	€35,95	€35,95	spool Colorfabb nGen black	OMD3D	
	1	€3,00	€3,00	Set screws,bolts and nuts		
Sub			\$284,62			