

Type of item	item	quantity	comments
<b>Component</b>	Modified PA503S viewsonic videoprojector	1	For an optimal performance the hspi kit need a video projector with a modified optical chain. You can contact us to buy one <a href="#">here</a> .
	Rasbperry pi 4B+ (8Go Ram) model	1	
	micro SD card 64 Go with SD adaptator	1	
	USB key	1	
	Raspberry pi camera	1	
	Optical fiber	1	
	SM1 thorlabs tube	1	
	Divergent lens	1	
	SM1 SMA Thorlabs connector	1	
<b>Raw material</b>	MDF plank with tickness 3 mm	1200*1200 mm <sup>2</sup>	Depend of the dimension of the laser cutter CNC
	Filament PLA	30 meters	
<b>Wires</b>	Mini HDMI/HDMI cable	1	
	Raspberry pi camera wire	1	CSI cable 15 pin
			Lenght >30 cm
	C13 Alimentation cable of the video projector	1	
	Alimentation cable of the raspberry pi 4B+ model	1	

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<i>Screws and nuts</i>	M6 screws	4	
	M6 nuts	4	
	M4 screws	3	
	M3 screws	16	
	M3 nuts	16	
	M2.5 screws	11	
	M2.5 nuts	4	
	M2 screws	4	
	M2 nuts	4	
<i>Equipment needed</i>	Laser cutter cnc		Tested with the laser cutter appolo 600 of the Roannes fablab
	3D printer		Tested with prusa MK3S and prusa mini
	Phillips screwdriver		
	mallet		